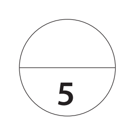
15 Marks — Model (1)

1 Complete each of the following:



a $35 \times$ .... $= 3{,}500$

b The operation in the following area model

is .... $\times$ .... $=$ ....

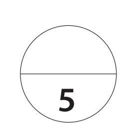
	20	20	2
50	1,000	1,000	100
1	20	20	2

c $8 \times 15 = (8 \times 10) + (8 \times$ ....$)$

d Place the decimal point in the following product $3.65 \times 3.2 = 11680$

e $22.35 \times 0.1 =$ ....

2 Choose the correct answer:



a $0.4 \times 6 = 24$ ....

- tenths
- hundredths
- thousandths
- ones

b 17×18 .... 20×11

- $>$
- $<$
- $=$
- otherwise

c $324 \times 19 =$ ....

- 6,188
- 6,156
- 6,498
- 5,498

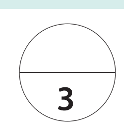
d If $7{,}785 \div 31 = 251$ R4 , then $31 \times 251 =$ ....

- 7,784
- 7,782
- 7,781
- 7,783

e $6{,}741 \div 21 =$ ....

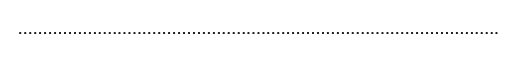
- 123
- 213
- 321
- 312

3 Find the product of each of the following using area model:

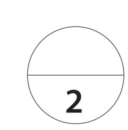


a $231 \times 25 =$ ....

b $4,945 \div 23 =$ ....



4 Read and answer:



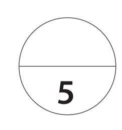
Sara bought 23 pens for L.E. 3.5 each. **How much money did Sara pay?**

....

15 Marks

Model (2)

1 Complete each of the following:



a $0.12 \times 3 =$ ....

b The operation in the following area model

is .... $\times$ .... $=$ ....

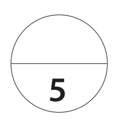
	5	0.6
4	20	2.4
0.2	1.0	0.12

c $18 \times$ .... $= (18 \times 9) + (18 \times 7)$

d The product of the following 5.6×8.4 will have .... decimal digits.

e $6{,}562 \times$ .... $= 6.562$

2 Choose the correct answer:



a 7 tenths $\times$ 6 tenths $=$ ....

- 42 tenths
- 42 hundredths
- 42 thousandths
- 42 ones

b 456×0.1 .... 4.56×10

- $>$
- $<$
- $=$
- otherwise

c $15.3 \times 2.6 =$ ....

- 39.78
- 397.8
- 3.978
- 3978

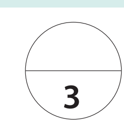
d $2{,}215 \div 15 = 147$ R ....

- 10
- 15
- 5
- 0

e 18.91 kg $=$ .... g

- 1,891
- 1.891
- 18,910
- 189.1

3 **Find each of the following using the mentioned strategy:**



a $6.32 \times 13 =$ ....

(using standard algorithm)

....

....

....

b $2,727 \div 23 =$ ....

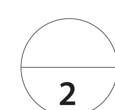
(using the partial quotient)

....

....

....

4 **Read and answer:**



Haytham has 799 marbles, he wants to put them in boxes, each box holds 47 marbles.

How many boxes does he need?

....

15 Marks

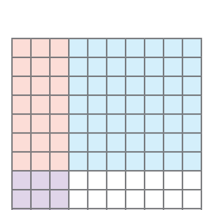
Model (3)

1 Complete each of the following:

5

a 36 cm = ... m

b The operation in the following area model



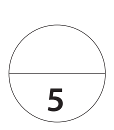
is .... $\times$ .... = ...

c $6.89 \times 2.35 \simeq$ .... (Estimate the product by rounding each factor to the nearest tenths.)

d 86×101 .... $8{,}600 + 86$ (> , < or =)

e $3{,}622 \div 31 =$ .... R ....

2 Choose the correct answer:



a $63.62 =$ .... $\times 0.1$

- 6362
- 636.2
- 6.362
- 0.6362

b $823 \times$ .... $= 8.23$

- 0.1
- 0.01
- 0.001
- 100

c $(2.36 \times 10) - 1.1 =$ ....

- 22.4
- 21.4
- 22.5
- 22.6

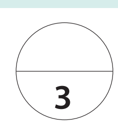
d 6 thousandths $\times 4 =$ ....

- 2.4
- 0.24
- 0.024
- 0.0024

e $2{,}825 \div$ .... $= 113$

- 26
- 25
- 24
- 27

3 Use the given models to find the product of each problem of the following:



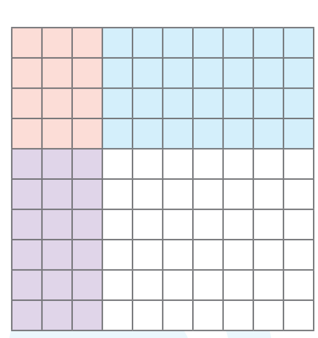
a $0.3 \times 0.4 =$ ....

b $0.3 \times 4 =$ ....

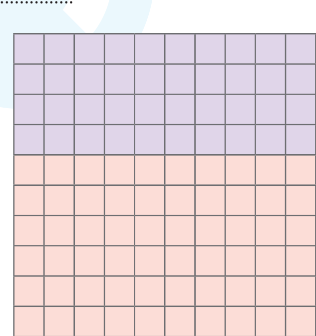
....

....

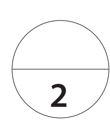
....



c $1.3 \times 0.4 =$ ....



4 Read and answer:



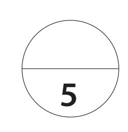
Asmaa bought an electric device for L.E. 2,176 , she will pay this price on 17 equal installments. **How much money will she pay for each installment?**

....

15 Marks

Model (1)

1 Complete each of the following:



a $35 \times$ 100 $= 3,500$

b The operation in the following area model

	20	20	2
50	1,000	1,000	100
1	20	20	2

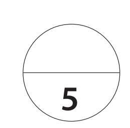
is 51 $\times$ 42 $=$ 2,142

c $8 \times 15 = (8 \times 10) + (8 \times$ 5$)$

d Place the decimal point in the following product $3.65 \times 3.2 = 11.680$

e $22.35 \times 0.1 =$ 2.235

2 Choose the correct answer:



a $0.4 \times 6 = 24$ ....

- tenths
- hundredths
- thousandths
- ones

b 17×18 .... 20×11

- >
- <
- =
- otherwise

c $324 \times 19 =$ ....

- 6,188
- 6,156
- 6,498
- 5,498

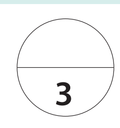
d If $7,785 \div 31 = 251$ R4 , then $31 \times 251 =$ ....

- 7,784
- 7,782
- 7,781
- 7,783

e $6,741 \div 21 =$ ....

- 123
- 213
- 321
- 312

3 **Find the product of each of the following using area model:**



a $231 \times 25 = 5{,}775$

	200	30	1
20	4,000	600	20
5	1,000	150	5

$4{,}000 + 1{,}000 + 600 + 150 + 20 + 5$

$= 5{,}775$

b $4{,}945 \div 23 = 215$

	200	10	5
	4,945	345	115
23	− 4,600	− 230	− 115
	345	115	000

$200 + 10 + 5 = 215$

4 **Read and answer:**

2

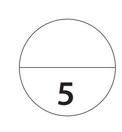
Sara bought 23 pens for L.E. 3.5 each. **How much money did Sara pay?**

What Sara paid $= 23 \times 3.5 =$ L.E. 80.5

15 Marks

Model (2)

1 Complete each of the following:



a $0.12 \times 3 =$ 0.36

b The operation in the following area model

is 4.2 × 5.6 = 23.52

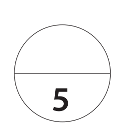
	5	0.6
4	20	2.4
0.2	1.0	0.12

c $18 \times$ 16 $= (18 \times 9) + (18 \times 7)$

d The product of the following 5.6×8.4 will have two decimal digits.

e $6{,}562 \times$ 0.001 $= 6.562$

2 Choose the correct answer:



a 7 tenths × 6 tenths = ...

- 42 tenths
- **42 hundredths**
- 42 thousandths
- 42 ones

b 456×0.1 .... 4.56×10

- $>$
- $<$
- **$=$**
- otherwise

c $15.3 \times 2.6 =$ ....

- **39.78**
- 397.8
- 3.978
- 3978

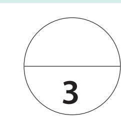
d $2{,}215 \div 15 = 147$ R ....

- **10**
- 15
- 5
- 0

e 18.91 kg = ... g

- 1,891
- 1.891
- **18,910**
- 189.1

3 Find each of the following using the mentioned strategy:



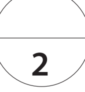
a $6.32 \times 13 =$ 82.16
(using standard algorithm)

```
    6. 3 2
×      1 3
----------
   1 8 9 6
+  6 3 2 0
----------
   8 2. 1 6
```

b $2{,}727 \div 23 =$ 118 R 13
(using the partial quotient)

```
23 | 2 7 2 7
   - 2 3 0 0 | 100
     -------
       4 2 7
   -   2 3 0 | 10
     -------
       1 9 7
   -   1 8 4 | 8
     -------
         1 3
```

4 Read and answer:



Haytham has 799 marbles, he wants to put them in boxes, each box holds 47 marbles.



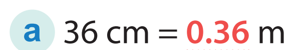
How many boxes does he need?

The number of boxes = $799 \div 47 = 17$ boxes

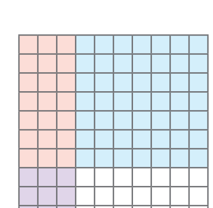
15 Marks

Model (3)

1 Complete each of the following: 5



a 36 cm = 0.36 m



b The operation in the following area model

is $0.3 \times 0.7 = 0.21$

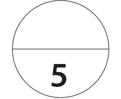
c $6.89 \times 2.35 \simeq 16.56$ (Estimate the product by rounding each factor to the nearest tenths.)

d $86 \times 101 = 8{,}600 + 86$ (> , < or =)

e $3{,}622 \div 31 =$ 116 R 26

2 Choose the correct answer: 5





a $63.62 = \ldots\ldots\ldots \times 0.1$

- 6362
- 636.2
- 6.362
- 0.6362

b $823 \times \ldots\ldots\ldots = 8.23$

- 0.1
- 0.01
- 0.001
- 100

c $(2.36 \times 10) - 1.1 = \ldots\ldots\ldots$

- 22.4
- 21.4
- 22.5
- 22.6

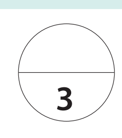
d 6 thousandths $\times 4 = \ldots\ldots\ldots$

- 2.4
- 0.24
- 0.024
- 0.0024

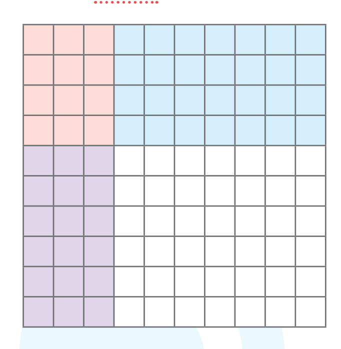
e $2{,}825 \div \ldots\ldots\ldots = 113$

- 26
- 25
- 24
- 27

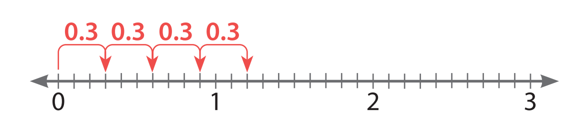
3 **Use the given models to find the product of each problem of the following:**



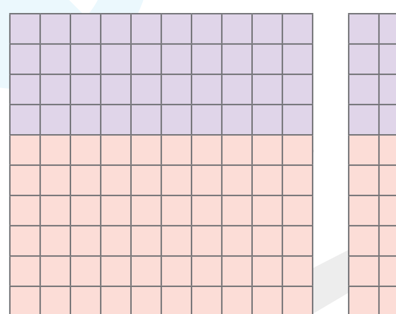
a $0.3 \times 0.4 =$ 0.12



b $0.3 \times 4 =$ 1.2



c $1.3 \times 0.4 =$ 0.52



4 **Read and answer:**



Asmaa bought an electric device for L.E. 2,176 , she will pay this price on 17 equal installments. **How much money will she pay for each installment?**

The value of each installment = 2,176 ÷ 17 = L.E. 128

Mathematics

Primary 5

Test 1



1 Choose the correct answer : (5 marks)

1. Since $9 \times 4 = 36$, then $0.09 \times 0.4 =$ ....
   ⓐ 36 ⓑ 3.6 ⓒ 0.36 ⓓ 0.036
2. $2,215 \div 15 = 147$ R ....
   ⓐ 15 ⓑ 10 ⓒ 5 ⓓ 0
3. $5,508 =$ ....
   ⓐ 54×342 ⓑ 36×153 ⓒ 61×281 ⓓ 32×372
4. $2 \times$ .... $= 2,000$
   ⓐ 10 ⓑ 100 ⓒ 1,000 ⓓ 10,000
5. 876×72 is near close to ....
   ⓐ 56,000 ⓑ 5,600 ⓒ 63,000 ⓓ 72,000

2 Complete : (5 marks)

1. $14.14 \times 0.1 =$ ....
2. $34 \times$ .... $= 3,400$
3. $15 \times 46 = [10 \times$ ...... $] + [10 \times 6] + [5 \times 40] + [$ ...... $\times 6]$
4. $2,731 \div 1 =$ ....
5. $2.41 \times 0.2 \approx$ .... (to the nearest Tenth)

3 [a] Ahmad saved 125 pounds , Manal saved 12 times as Ahmad , Bassem saved 15 times as Ahmad.

How much money they saved ? (2 marks)

....

....

....

[b] Divide using any method you prefer : (3 marks)

1. $65 \overline{)\,5\,4\,3}$
2. $1,919 \div 19$

Test 2



1 Choose the correct answer : (5 marks)

1. 3×5 hundredths = ...

   (a) 1.5 (b) 0.15 (c) 15 (d) 0.015

2. If 7,785 ÷ 31 = 251 R 4 , then 31×251 = ...

   (a) 7,784 (b) 7,782 (c) 7,781 (d) 7,783

3. $85 \times 69 = [80 \times 60] + [80 \times 9] + [5 \times 9] + [.......]$

   (a) 5×6 (b) 5×60 (c) 50×6 (d) 50×60

4. There are .... grams in 15 kilograms.

   (a) 15 (b) 150 (c) 1,500 (d) 15,000

5. 0.15×39.8 ☐ 1.5×0.398

   (a) > (b) < (c) =

2 Complete : (5 marks)

1. If $326 \times 7 = 2,282$, then 0.326×7 = ...
2. $15 \times$ .... = 15,000
3. 20 L = ... mL
4. If 735 ÷ 21 = 35 , then 35×21 = ...
5. The division equation of this bar diagram is .... ÷ 3 = ...

30		
10	10	10

3 [a] If 18 plums are divided equally into 3 bags , then how many plums will be in each bag ? (2 marks)

....

[b] Find : (3 marks)

1. 1,536 ÷ 16
2. 2.1×0.67
3. 18×107

Test 3

Total mark
15

1 Choose the correct answer : (5 marks)

1 The decimal point in the product of 3.9×4.23 is after .... places.

ⓐ 1 ⓑ 2 ⓒ 3 ⓓ 4

2 In the equation $36 \div 4 = 9$, the quotient is ....

ⓐ 36 ⓑ 4 ⓒ 9 ⓓ zero

3 What is the ones digit in the product of 36×123 ?

ⓐ 8 ⓑ 6 ⓒ 3 ⓓ 2

4 Quotient × divisor + remainder = ...

ⓐ divisor ⓑ quotient ⓒ remainder ⓓ dividend

5 $0.002 \times 1,000$ ☐ $20,000 \times 0.001$

ⓐ > ⓑ < ⓒ =

2 Complete : (5 marks)

1 $0 \div 31.564 =$ ....

2 7 m. = ... cm.

3 $253 \times$ .... $= [70 + 200] + [70 \times 50] + [70 \times 3] + [4 \times 200] + [4 \times 50] + [4 \times 3]$

4 $360 \times 0.1 =$ ....

5 $4.321 \times$ .... $= 432.1$

3

[a] A baker made 135 serving of baklava for a party. If each baking tray holds 11 servings of baklava, how many trays will be needed to hold all the baklava ? (2 marks)

....

....

[b] Solve each of the following problems using any method you prefer : (3 marks)

1 32×71

2 201×32

Answers of Test 1

1 1 d | 2 b | 3 b | 4 c | 5 c

2 1 1.414 | 2 100 | 3 40 , 5 | 4 2,731 | 5 0.5

3 [a] What Manal saved = 125 × 12 = 1,500 pounds

What Bassem saved = 125 × 15 = 1,875 pounds

What they saved = 125 + 1,500 + 1,875 = 3,500 pounds

[b] 1

```
      0 0 8
65 ) 5 4 3
    - 5 2 0
      0 2 3
```

543 ÷ 65 = 8 R 23

2

```
      1 0 1
19 ) 1,919
    -1,900 |100
        19
       -19 |1
        00
```

Answers of Test 2

1 1 b | 2 c | 3 b | 4 d | 5 a

2 1 2.282 | 2 1,000 | 3 20,000 | 4 735 | 5 30 , 10

3 [a] Number of plums in each bag = 18 ÷ 3 = 6 plums

[b] 1 96 | 2 1.407 | 3 1,926

Answers of Test 3

1 1 c | 2 c | 3 a | 4 d | 5 b

2 1 0 | 2 700 | 3 74 | 4 36 | 5 100

3 [a] Number of trays = 135 ÷ 11 = 12 R 3 , then the baker needs 13 trays

[b] 1 32 × 71 = 2,272 | 2 201 × 32 = 6,432

Revision

Mathematics Exercises For November Syllabus

First: Choose the correct answer:

1. 7.5 x .... = 0.075 (10 or 0.1 or 0.01 or 10.0)
2. 1.5 x 5.1 = ... (765 or 76.5 or 7.65 or 0.765)
3. When 5.46 is multiplied by **10**, the **place value** of 6 changes to the .... (Tens or Tenths or Hundredths or Thousandths)
4. 7.5 x 100 = ... (75 or 750 or 7,500 or 0.075)
5. The remainder of the division of **2,541 ÷ 5** is .... (1 or 10 or 2 or 7)
6. 15.2 x 1.5 = ... (22.8 or 228 or 2.28 or 2,280)
7. 3.2 x 1.5 = ... (480 or 48 or 4.8 or 0.48)
8. Samah bought **three** books, the price of one book is **3.25** pounds. Samah paid = ... pounds. (9 or 10 or 9.75 or 9.5)
9. 4.6 x .... = 4,600 (100 or 1,000 or 10 or 1)
10. 4.5 x 12 = ... (540 or 0.54 or 5.4 or 54)
11. The problem representing the corresponding model 42 | 16,884 is .... (16,884 ÷ 420 or 16,884 ÷ 42 or 420 ÷ 42 or 42 ÷ 420)
12. 60 x 30 ⬭ 3,600 ÷ 20 (> or = or < or ≥)
13. The divisor in the opposite division problem is .... (4 or 2,500 or 208 or 12)

	200	8
12	2,500	100
	– 2,400	– 96
	100	4

14. 67 x 43 = ... (2,881 or 2,881 or 288.1 or 28.81)
15. The remainder of the division of **307 ÷ 7** is .... (4 or 5 or 6 or 7)
16. 70 x 0.05 = ... (35 or 0.35 or 0.035 or 3.5)
17. 7.4 x 0.29 = ... (21.46 or 2.146 or 2,146 or 214.6)

18 1,800 x .... = 18 (10 or 100 or 0.01 or 0.1)

19 12 x 0.04 = ... (0.48 or 48 or 4.8 or 0.048)

20 3.2 x 7.8 = ... (24.96 or 2.796 or 2,496 or 249.6)

21 211 x 0.01 = ... (0.211 or 2.11 or 21.1 or 0.0211)

22 4.8 x 2.3 = ... (1.104 or 1,104 or 0.1104 or 11.04)

23 40 x .... = 80 x 500 (100 or 10 or 0.01 or 1,000)

24 97 x 0.03 = ... (2.91 or 0.291 or 291 or 2,910)

25 0.013 x .... = 1.3 (100 or 10 or 0.1 or 0.01)

26 3.4 x 2.6 = ... (0.884 or 884 or 8.84 or 88.4)

27 11.2 x 1.3 .... (1.456 or 1,456 or 14.56 or 145.6)

28 532.4 x .... = 5.324 (0.001 or 10 or 0.1 or 0.01)

29 43.5 x 4.1 = ... (135.2 or 178.35 or 43.53 or 123.14)

30 If the product of **w** x 3 is 45, then **w** = ... (15 or 3 or 45 or 10)

31 When dividing **40** by **8** and then subtracting the result from **1,005**, the result is .... (1,000 or 10 or 100 or 1)

32 The dividend in **428 ÷ 2 = 214** is .... (214 or 2 or 428 or 824)

33 30,000 ÷ 50 = ... (6 or 60 or 600 or 6,000)

34 5,062 x 7 ◯ 5,602 x 7 ($>$ or $<$ or $=$ or $\geq$)

35 .... x 7 = 7,000 (1,000 or 10 or 100 or 1)

36 0.01 x .... = 0.045 (0.45 or 4.5 or 45 or 450)

37 3 Tenths X 5 Tenths = ... (15 or 1.5 or 0.15 or 0.015)

38 40,000 ÷ .... = 800 (5 or 50 or 500 or 5,000)

39 .... ÷ 600 = 40 (24,000 or 2,400 or 240 or 24)

40 2.5 x .... = 250 (1 or 10 or 1,000 or 100)

Revision

Second: Complete the following:

1. The number that, when multiplied by **5**, it gives the product **25** is ....
2. 20.04 x 0.5 = ...
3. 0.532 x .... = 5.32
4. 1,028 x 21 = ...
5. The number that, when multiplied by **12**, it gives the product **0.24** is ....
6. 312 x 15 = ...
7. 0.62 x .... = 620
8. 6.34 x 0.1 = ...
9. 23.14 x 1.2 = ...
10. 45.68 x 10 ◯ 4,568 x 0.01 (< , = , >)
11. 5 x .... = 50,000
12. 60,144 ÷ 12 = ...
13. 80 x 300 = ...
14. If 8 x 15 = 120, then 8 x 1.5 = ...
15. 28.2 x 11.5 (to the nearest **whole number**)

    Estimate: .... x .... = ...
16. .... x 100 = 9.2
17. 5 Hundredths x 4 Tenths = ...
18. 45 x 22 = ...
19. 72,368 ÷ 9 = 8,040 (and the remainder is ....)
20. 800 x 30 ◯ 900 x 20 (< , = , >)
21. 3,352 ÷ 45 = ... and the remainder is ....
22. 3.24 x 5.63 (to the nearest **Tenths**)

    Estimate: .... x .... = ...
23. If 9 x **z** = 72, then **z** = ...
24. The remainder of the division of (**2,564 ÷ 32**) is ....
25. 17 x 68 = ...
26. 30.5 x 4.4 = ...
27. 38.7 x 16.3 (to the nearest **whole number**)

    Estimate: .... x .... = ...
28. The product of 12 x 56 is ....
29. The remainder of the division of **723 ÷ 8** is ....
30. The problem that expresses the opposite form is .... X ....

	5,000	400	5
60			
7			

31 The quotient of the division in the opposite form is ....

```
 92 | 19,004
    - 9,200 | 100
      9,844
    - 9,200 | 100
        644
    -   644 | 7
          0
```

32 The remainder of the division in the opposite form is ....

	100	40	5
42	6,090	1,890	210
	– 4,200	– 1,680	– 210
	1,890	210	0

33 232 x 13 = ...

34 (5 x 30) + (5 x 8) + (60 x 30) + (60 x 8) = ... x ....

Third: Find the result:

1 2.4 x 1.5 x 10 = ...

2 0.12 x 3.5 = ...

3 (1.5 + 2.5) x 0.01 = ...

4 2.5 x 1.2 x 10 = ...

5 1,028 x 21 = ...

6 56.5 x 0.1 = ...

7 2.3 x 1.07 = ...

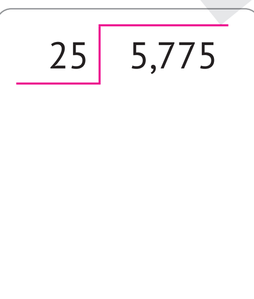
8 312 x 15 = ...

9 4.5 x 2.4 = ...

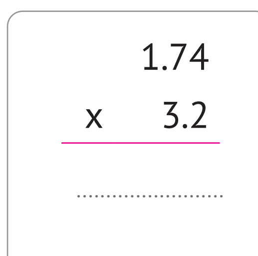
10 3.2 x 2.4 = ...

11 54.36 x 1.3 = ...

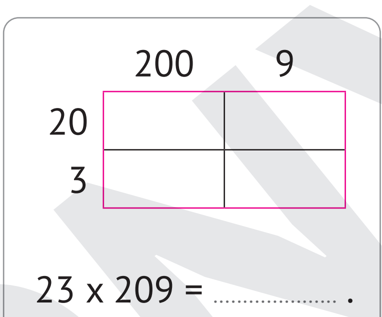
12



13



14



15 50.23 x 15 = ...

16 350 ÷ 7 = ...

17 8.15 x 0.1 = ...

18 2.45 x 2.1 = ...

19 4,836 ÷ 6 = ...

20 3,844 ÷ 31 = ...

Revision

Fourth: Complete using (<, = or >):

1. 17.92 ◯ 5.6 x 3.2
2. 120 ÷ 2 ◯ 480 ÷ 8
3. 32 x 2 ◯ 32 ÷ 2
4. 75.32 x 10 ◯ 7.532 x 0.01
5. 0.69 ◯ 1.2 x 0.8
6. 241 x 57 ◯ 210 x 57
7. 1,005 – 1,000 ◯ 50 ÷ 10
8. 0.3279 x 10 ◯ 32.97 ÷ 10
9. 0.3 x 0.1 ◯ 0.2 x 0.2
10. 0 ÷ 1,450 ◯ 1 X 1

Fifth: Match:

a

1. 24 x .... = 24,000
2. 100 x 0.001 = ...
3. 22 x 6 = ...

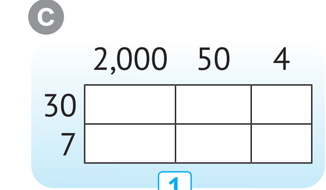
(a) 132
(b) 1,000
(c) 0.1

b

1. 0.132 x 10 = ...
2. Estimate the product of 39.65 x 1.9 **(to the nearest whole number)**
3. 1212 ÷ 6 = ...

(a) 80
(b) 202
(c) 1.32

c

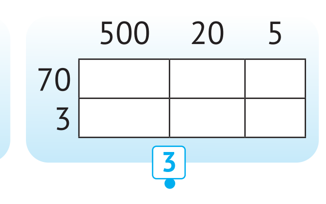


	2,000	50	4
30			
7			

1

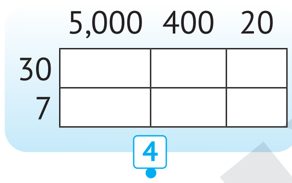
	4,000	500	2
70			
3			

2



	500	20	5
70			
3			

3



	5,000	400	20
30			
7			

4

(a) 4,502 x 73
(b) 5,420 x 37
(c) 2,054 x 37
(d) 525 x 73

d

1. 52.46 x 0.1 = ...
2. 9,852 ÷ 4 = ...
3. 60 x .... = 42,000

(a) 2,463
(b) 700
(c) 5.246

Sixth: Put (✓) or (✗):

1. The quotient of **3,564 ÷ 3** is 118. ( )
2. When a number is multiplied by 0.01, the decimal point will move two places to the right. ( )
3. 4 x 10,000 = 400,000 ( )
4. The divisor in the division problem **6,000 ÷ 20 = 300** is 20. ( )
5. The product of **1,485 x 12** is estimated to be 10,000. ( )
6. The remainder of **52 ÷ 7** is 3. ( )
7. 0.1 x 0.8 = 0.8 ( )
8. The estimate of the quotient of **9,200 ÷ 33** is 300. ( )
9. The number that, when multiplied by 15, it gives the product 30 is 5. ( )
10. The dividend in the corresponding rectangle area model is 243. ( )

	200	40	3
32	7,776 − 6,400 1,376	1,376 − 1,280 96	96 − 96 0

Seventh: Essay Questions:

1. Find the number that, when divided by **15**, its result is **112** and the remainder is **7**.

....

....

2. A tour company wants to transport **320** tourists in buses with a capacity of **24** people each.
How many buses does the company need to transport all the tourists?

....

....

3. If the price of **one kilogram** of meat is **154.7** pounds, what is the price of **2.5 kilograms**?

....

....

4 Ahmed had **310** pounds; he bought **5** kilograms of oranges and **8** kilograms of apples. If the price of a kilogram of oranges is **6.25** pounds, and the price of a kilogram of apples is **15.75** pounds, how much money does Ahmed have now?

....

....

....

....

5 Wael bought **23** pens. The price of one pen is **235** piasters.
What amount did Wael pay?

....

....

6 A school has **25** classes; each class has **19** girls and **17** boys.
How many students does the school have?

....

....

7 Rehab bought a mobile phone at a price of **3,200** pounds.
She paid **800** pounds in cash and paid the rest in **40** equal monthly installments. Calculate the value of each installment.

....

....

8 Omar has **215** pounds and his sister Fayrouz has **4 times** the amount as Omar, and they want to distribute their money equally among the poor; so that each poor person is given **25** pounds.
Calculate the number of poor.

....

....

Guide Answers
Mathematics Exercises for November Syllabus

First

1 0.01	2 7.65	3 Tenths
4 750	5 1	6 22.8
7 4.8	8 9.75	9 1,000
10 54	11 16,884 ÷ 42	12 >
13 12	14 2,881	15 6
16 3.5	17 2.146	18 0.01
19 0.48	20 24.96	21 2.11
22 11.04	23 1,000	24 2.91
25 100	26 8.84	27 14.56
28 0.01	29 178.35	30 15
31 1,000	32 428	33 600
34 <	35 1,000	36 4.5
37 0.15	38 50	39 24,000
40 100		

Second

1 5	2 10.02	3 10
4 21.588	5 0.02	6 4,680
7 1,000	8 0.634	9 27.768
10 >	11 10,000	12 5,012
13 24,000	14 12	
15 28 x 12 = 336	16 0.092	17 0.02
18 990	19 8	20 >
21 74 , 22	22 3.2 x 5.6 = 17.92	
23 8	24 4	25 1,156
26 134.2	27 39 x 16= 624	28 672
29 3	30 5,405 x 67	31 207
32 0	33 3,016	34 38 x 65

Third

1 36	2 0.42	3 0.04
4 30	5 21,588	6 5.65
7 2.461	8 4,680	9 10.8
10 7.68	11 70.668	12 231
13 5.568	14 4,807	15 753.45
16 50	17 0.815	18 5.145
19 806	20 124	

Fourth

1 =	2 =	3 >
4 >	5 <	6 >
7 =	8 =	9 <
10 <		

Fifth

a	1 → b	2 → c	3 → a
b	1 → c	2 → a	3 → b
c	1 → c	2 → a	
	3 → d	4 → b	
d	1 → c	2 → a	3 → b

Sixth

1 ✗	2 ✗	3 ✗
4 ✓	5 ✓	6 ✓
7 ✗	8 ✓	9 ✗
10 ✗		

Seventh

1. (112 x 15) + 7 = 1,687
2. 320 ÷ 24 = 13 (and the remainder is 8)
   The number of buses is 14 buses.
3. 154.7 x 2.5 = 386.75 pounds
4. 8 x 15.75 = 126 pounds
   5 x 6.25 = 31.25 pounds
   31.25 + 126 = 157.25 pounds
   157.25 – 310 = 152.75 pounds
5. 235 x 23 = 5,405 piasters
6. 25 x (19 + 17) = 25 x 36 = 900 students
7. 3,200 – 800 = 2,400 pounds
   2400 ÷ 40 = 60 pounds
8. 4 x 215 = 860 pounds
   215 + 860 = 1,075 pounds
   1,075 ÷ 25 = 43 persons

Test (1)

1 **First: Complete the following:**

1. 3.4 x .... = 3,400
2. .... x 30 = 2,400
3. 36 x 25 = ...
4. 2.83 x 0.2 = ...
5. (400 x 0.7) – 250 = ...
6. 5,600 = (70 x 40) + 140 x ....

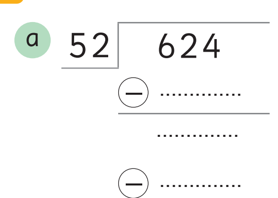
Second: Choose the correct answer:

1. 0.4 x .... = 40.0
   (a) 10 (b) 100 (c) 1,000 (d) 10,000
2. 9,600 ÷ 100 = ...
   (a) 9.6 (b) 96 (c) 0.96 (d) 690

2 **Compare by using (<), (>) or (=):**

1. 360 ÷ 4 ◯ 1,800 ÷ 20
2. 5,700 ÷ 57 ◯ 1,000
3. 9,600 ÷ 480 ◯ 40 ÷ 0.5
4. 2.56 ÷ 16 ◯ 1.6

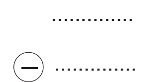
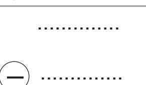
3 **Find the quotient and the remainder (if any) for each of the following:**



(a) 52) 624
The quotient = ...

(b) 32) 6,880
The quotient = ...

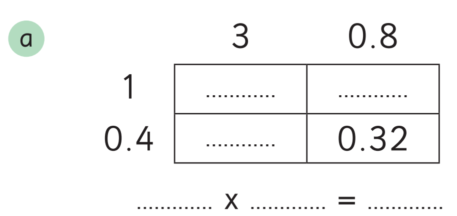
(c) 15) 4,817
The quotient = ...
The remainder = ...

4 **If the price of 74 notebooks is 1,036 pounds, what is the price of 25 notebooks of the same kind?**

5 **Complete the missing numbers in the following area models, then find the product that each model represents.**

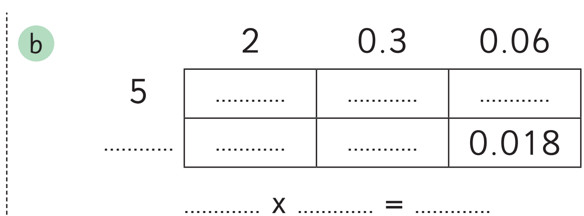
(a)



	3	0.8
1	....	....
0.4	....	0.32

.... x .... = ...

(b)



	2	0.3	0.06
5	....	....	....
....	....	....	0.018

.... x .... = ...

Test (2)

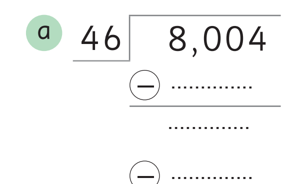
1 **First: The product of 16 x 7 = 112, so find the product of the following:**

1. 16 x 0.7 = ...
2. 0.16 x 700 = ...
3. 1.6 x 7 = ...
4. 1,600 x 0.07 = ...
5. 16 x 70 = ...
6. 1.6 x 0.7 = ...

Second: Complete the following:

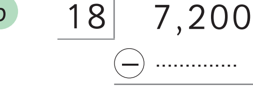
a. 3.6 kilograms = ... grams
b. 7,900 cm = ... decimeters
c. 850 meters = ... kilometers
d. 2,700 millimeters = ... decimeters

2 **Find the quotient and the remainder (if any) for each of the following by using the standard algorithm:**

a. 

⊖ ....
....

The quotient = ...

b. 

The quotient = ...

c. 45) 2,927

⊖ ....
....
⊖ ....
....

The quotient = ...
The remainder = ...

3 **Complete the following:**

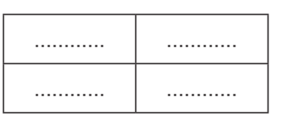
a. If any decimal number is multiplied by 10, the decimal point moves .... (right or left)

b. If any decimal number is multiplied by 0.01, the decimal point moves .... left.

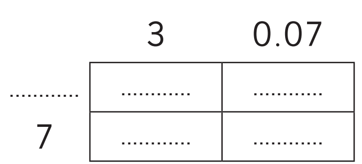
c. The estimation of the quotient 3,540 ÷ 35 is ....

4 **Find the product of multiplication by using the area model:**





b. 47 x 3.07



5 Maryam's family saved money to spend a 5-day vacation in Sharm El-Sheikh and they had two hotels to choose between them. The cost of one night in the first hotel is 3,450 pounds, while the cost of one night in the second hotel is 4,275 pounds. If the family's budget is 20,000 pounds, in which hotel can they spend their vacation? How much will they pay for the hotel they have chosen?

Test (3)

1 **First: Choose the correct answer:**

1. 2.515 x 0.2 = ...
   - a) 0.0503 b) 5.0300 c) 0.503 d) 50.3
2. 1.4076 ÷ 0.23 = ...
   - a) 61.2 b) 6.12 c) 0.612 d) 612

Second: Find the product of the following by using the standard algorithm:

1. 3.56 x 0.1 = ... 2. 0.75 x 2.4 = ...

2 **First: Complete the following:**

1. 317.62 – 58.017 = ... 2. 9.42 x .... = 0.942

Second: Which model of the following matches the multiplication algorithm 2,050 x 34:

a)

	2,000	50
3	6,000	150
4	8,000	200

b)

	20	5
30	600	150
4	80	15

c)

	2,000	50
30	60,000	1,500
4	8,000	200

d)

	2	5
30	60	150
4	8	20

3 **Put (>), (<) or (=):**

1. 37.9 + 2.3 ◯ 41.7 – 1.3
2. 1 + 0.973 ◯ 58.003 – 57.03
3. 43.5 x 0.4 ◯ 8.7 ÷ 0.5
4. 97.2 ÷ 8.1 ◯ 14.4 ÷ 12



4 **Find the quotient by using the area model:**

a) 22.05 ÷ 7 = ...

	....	0.1	....
7	22.05 − 21	1.05 −	0.35 − ....
	....	....	....

22.05 ÷ 7 = ... + ... + ... = ...

b) 371.2 ÷ 3.2 = ...

	....	....	....
32	3,712 −	.... − 320	.... − 192
	512	....	0

371.2 ÷ 3.2 = ... + ... + ... = ...

5 The distance between Cairo and Sharm El-Sheikh is 540 kilometers, and the car covered it in 3 parts. In the first part, it covered 130 kilometers, and in the second part, it covered 98 kilometers. What is the distance it will cover in the third part?

Test (4)

1 **Complete the following:**

1. If the value of the digit 5 is 0.05, the place value of the digit 5 is ....
2. If y + 3.16 = 2.9 + 5.73, so y = ...
3. 32.547 ≈ .... (To the nearest Hundredth)

2 **Find the product, then match it to its equivalent.**

3.025 x 42 = ...	127.5	98.4 + 28.95 = ...
1912.5 ÷ 15 = ...	127.35	237 – 109.95 = ...
8.49 x 15 = ...	127.05	1,275 x 0.1 = ...

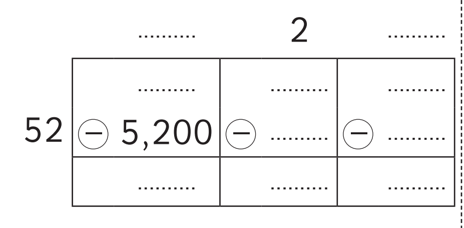
3 **Complete by using the area model:**

	80	9
20	1,600	180
7	560	63

27 x 89 = (.......... x ....) + (.......... x ....) + (.......... x ....) + (.......... x ....)

4 **Complete the missing numbers, then find the quotient:**

a) 5,382 ÷ 52 = ...



	....	2	....
	....	....	....
52	⊖ 5,200	⊖	⊖ ....
	....	....	....

5,382 ÷ 52 = ... + ... + ...

= 100 + ... + 1 = ...

(The remainder is 26)

b) 9,234 ÷ 81 = ...

	....	....	....	....
	9,234	1,134	....	....
81	⊖	⊖	⊖ 162	⊖ ....
	....	324	162	0

9,234 ÷ 81 = ... + ... + ... = ...

---

5 Murad's step length is 6.9 decimeters. What is the distance that he will walk (in meters) after taking 1,000 steps?

Test (5)

1 **First: Choose two reasonable estimations for the product of 208 x 32 from the following equations:**

1. 200 x 30 = 6,000
2. 210 x 30 = 6,300
3. 200 x 35 = 7,000
4. 210 x 35 = 7,350

Second: Which of the following estimation strategies is to estimate the result of multiplying 345 x 82 if the estimation is 28,000:

a) Using the strategy of estimating the number through the first digit from the left.

b) Rounding each number to the nearest Ten.

c) Rounding each number to its greatest place value.

d) Rounding each number to the nearest Hundred.

2 Use the standard algorithm to find the product of the following by placing each product from the answer bank in the correct column of the following table. One product will remain:

67	23	45
× 25	× 55	× 33
....	....	....

Answer Bank
1,265
1,485
1,535
1,675

3 When multiplying a one-digit whole number by 10,000 the place value of the number changes:

From:	Ten Thousands	Hundreds	Tens	Ones
To:	Ten Thousands	Hundreds	Tens	Ones

4 A merchant bought 20 boxes of tangerines for 1,780 pounds, and sold all the boxes for 150 pounds each. The merchant followed the steps below to find out what he earned:

1. He solved the equation 20 x 150 = y
2. He calculated the product 1,780 + y
3. He found out that he earned 4,780 pounds. Is there a mistake in the merchant's solution? What is it?

   a. In step 1: He should have divided the numbers instead of multiplying them.
   b. In step 2: He should have subtracted the values instead of adding them.
   c. In step 3: The merchant made a mistake in addition when he calculated his profit.
   d. The merchant didn't make any mistake.

5 First: Use the area model to find the products of the following:

a) 7 x 5.8 = ...

....	....

b) 3.8 x 35 = ...

....	....
....	....

Second: Use the standard algorithm to find the products of the following:

a)
  2.7
× 5.4
....

b)
  2.05
× 52
....

c)
  54.23
× 5.4
....

Answers

Test 1

1 **First:** ① 1,000 ② 80 ③ 900 ④ 0.566 ⑤ 280 – 250 = 30 ⑥ 20

Second: ① b ② b

2 ① = ② < ③ < ④ <

3 a) 12 b) 215 c) 321 (The Remainder is 2)

4 The price of the notebook: 1,036 ÷ 74 = 14 pounds

The price of 25 notebooks = 25 x 14 = 350 pounds

5 a)

	3	0.8
1	3	0.8
0.4	1.2	0.32

1.4 × 3.8 = 5.32

b)

	2	0.3	0.06
5	10	1.5	0.30
0.3	0.6	0.09	0.018

5.3 × 2.36 = 12.508

Test 2

1 **First:** (1) 11.2 (2) 112 (3) 11.2 (4) 112 (5) 1,120 (6) 1.12

Second: (a) 3.600 (b) 790 (c) 0.85 (d) 27

2 (a) 174 (b) 400 (c) 65 (The Remainder is 2)

3 (a) right (b) two places (c) 100

4 (a)

	40	5
2	80	10
0.3	12	1.5

$2.3 \times 45 = 103.5$

(b)

	3	0.07
40	120	2.8
7	21	0.49

$47 \times 3.07 = 144.29$

5 The first hotel, the cost = 17,250 pounds

Test 3

1 **First:** (1) c (2) b

Second: (1) 0.356 (2) 1.8

2 **First:** (1) 259.603 (2) 18

Second: c

3 (1) $<$ (2) $>$ (3) $=$ (4) $>$

4 (a) 3.15 (b) 116

5 312 km

Test 4

1 (a) hundredth (b) $y = 5.47$ (c) 32.55

2 $3.025 \times 42 = 127.05 = 237 - 109.95$, $4.49 \times 15 = 127.35 = 98.4 + 28.95$

$1912.5 \div 15 = 127.5 = 1.275 \times 0.1$

3 $27 \times 89 = (20 \times 80) + (20 \times 9) + (7 \times 80) + (7 \times 9)$

4 (a) 103 (The Remainder is 26) (b) 114

5 $0.69 \times 1{,}000 = 690$ meters

Test 5

1 **First:** (1) , (2)

Second: (b)

2 1,675 , 1,265 , 1,485

3 From Ones to Ten Thousands

4 (b)

5 **First:** (a) 40.6 (b) 133

Second: (a) 14.58 (b) 106.6 (c) 292.842

EL MOTAMYEZ - MATH Questions Bank

NOVEMBER REVISION

Question 01 — Choose the correct answer

1. 3 hundredths x 3 = ...
   ⓐ 9 hundredths ⓑ 9 hundreds ⓒ 0.9o ⓓ 9
2. in the equation 24 ÷ 4 = 6 the remainder is ....
   ⓐ 0 ⓑ 24 ⓒ 4 ⓓ 6
3. 632.2 x .... = 6.322
   ⓐ 100 ⓑ 0.01 ⓒ 0.001 ⓓ 100
4. 2520 ÷ 12 = ...
   ⓐ 12 ⓑ 123 ⓒ 210 ⓓ 321
5. 6.2 x 0.001 = ...
   ⓐ 0.0062 ⓑ 0.006 ⓒ 0.062 ⓓ 6200
6. in 14 ÷ 6 the remainder is ....
   ⓐ 14 ⓑ 6 ⓒ 2 ⓓ 0
7. 56 ÷ .... = 56
   ⓐ 1 ⓑ 56 ⓒ 0 ⓓ 8
8. 654 x 100 = ...
   ⓐ 0.654 ⓑ 65400 ⓒ 654 ⓓ 0.6541
9. in 30 ÷ 7 = 4 R2 , the divisor is ....
   ⓐ 30 ⓑ 7 ⓒ 2 ⓓ 4
10. 63 hundredths x 5 = ...
    ⓐ 315 hundredths ⓑ 3.15 ⓒ 31.5 ⓓ 315
11. 1300 x 5 = ...
    ⓐ 65 hundreds ⓑ 65000 ⓒ 65 ⓓ 1800
12. 1000 x .... = 52.1
    ⓐ 0.0521 ⓑ 0.521 ⓒ 52100 ⓓ 5.2
13. there are .... grams in 7 kg
    ⓐ 700 ⓑ 7000 ⓒ 7 ⓓ 0.007
14. 47.8 x 5.2 = ...
    ⓐ 248.56 ⓑ 24856 ⓒ 2485.6 ⓓ
15. 2 tenths x 2 = ...
    ⓐ 4 ⓑ 0.4 ⓒ 4 hundredths ⓓ 40
16. 0.23 x 6 = ...
    ⓐ 138 ⓑ 0.138 ⓒ 1.38 ⓓ 13.8



17. 3681 ÷ 32 = 115 R ....
   ⓐ 1 ⓑ 2 ⓒ 3 ⓓ 4
18. 0 ÷ 200 = ...
   ⓐ 200 ⓑ 1 ⓒ 0 ⓓ 2000
19. there are .... L in 41000 mL
   ⓐ 41 ⓑ 410 ⓒ 41000000 ⓓ 4
20. 0.0045 x .... = 45
   ⓐ 100 ⓑ 1000 ⓒ 10000 ⓓ 0.0001
21. 0.32 x 12 = ...
   ⓐ 3.84 ⓑ 384 ⓒ 38.4 ⓓ 0.384
22. 54 x 0.001 = ...
   ⓐ 54000 ⓑ 0.54 ⓒ 0.054 ⓓ 504
23. Quotient x divisor + remainder = ...
   ⓐ dividend ⓑ 23 ⓒ divisor ⓓ all
24. 25000 = ...
   ⓐ 25 x 000 ⓑ 25 + 1000 ⓒ 25 x 1000 ⓓ 20000
25. 0.2546 x 1000 = ...
   ⓐ 254.6 ⓑ 2546 ⓒ 25.46 ⓓ 2.546
26. ....is the amount left over that is not enough to from another equal group .
   ⓐ quotient ⓑ remainder ⓒ divisor ⓓ dividend
27. the product of 777 x 11 is closer to ....
   ⓐ 700 x 10 ⓑ 800 x 10 ⓒ 888 x 10 ⓓ 7000
28. the distributive property of 63 x 12 is ....
   ⓐ (3 x 2) + (3 + 10) + (60 x 2) + (60 x 10) ⓑ (60 + 3) x (10 + 2)
   ⓒ 756 ⓓ 12 x 63
29. **the partial product of 63 x 12 is ....**
   ⓐ (3 x 2) + (3 x 10) + (60 x 2) + (60 x 10) ⓑ 756
   ⓒ (60 + 3) x (10 + 2) ⓓ 12 x 63

Question 02 put (√) or (×)

1. 24 x 365 = 7860 (   )
2. the quotient in 480 ÷ 48 = 10 is 48 (   )
3. 12 L = 12000 Ml (   )
4. 563.2 x 10 = 56320 (   )
5. (300 + 60 + 1) x 5 = 361 x 5 (   )

6. 63 tenths = 63 x 0.1 (   )
7. in 37 ÷ 6 = 6 R 1 , the quotient is 37 (   )
8. 2315 x 2315 = 1 (   )
9. 1111 ÷ 11 = 101 (   )
10. 800 ÷ 36 = 21 (   )
11. 260 ÷ 260 = 0 (   )
12. the remainder must be less than the divisor (   )
13. 10 hundreds = 10 x 0.01 (   )
14. 632 x 789 = 632 (   )
15. 41.2 x 0.01 = 412 thousandths (   )
16. 60 x 4000 > 240000 (   )
17. 0.1 x 5.2 = 152 (   )
18. 60 x 1000 = 6000 (   )
19. 5000 ÷ 50 = 500 (   )
20. 32.4 x 0.01 = 324 thousands (   )
21. 1 ÷ 326 = 326 (   )
22. 26 x 123 = 123 ÷ 26 (   )
23. 3 ÷ 18 = 6 (   )
24. 563 x 45 = (500 + 60 + 3) + (40 + 5) (   )
25. 400 x 3000 = 700000 (   )
26. 45 x 230 = (40 + 2) x (200 x 30) (   )
27. 18 kg = 18000 g (   )
28. 360 x 0.1 = 36 (   )
29. 6327 ÷ 1 = 6327 (   )
30. 24 ÷ 6 = 4 R1 (   )
31. 1480 ÷ 123 = 12 R4 (   )
32. 3000 ÷ 100 = 300000 (   )
33. 1 tenths = 1 x 0.1 (   )
34. 100 ÷ 100 = 100 (   )

Question 3 Complete

1. 20 L = ...mL .
2. the decimal point in the product of 2.1 x 4.14 is after .... Place .
3. 6 x 265 = (6 x ......) + (.......x 60) + (6 x ....) .
4. 362 x 100 x 0.01 = ...
5. 125 x 0 = ...
6. 44.125 x ....= 4412.5
7. 87 x 23 = ...
8. 65.4 x 0.01 = ...
9. .... ÷ 5 = 8 R2
10. if 2860 ÷ 28 = 102 R4 , then 28 x 102 = ...
11. 29 ÷ 2 = 14 R ....
12. 54 ÷ 54 = ...
13. 4004 ÷ 4 = ...
14. the dividend in 81 ÷ 9 = 9 is ....
15. the qoutient of 45 ÷ 5 = 9 is ....
16. 63 x .... = 6300
17. 602.1 x 0.01 = ...
18. 3 x .... = 300000
19. 721 x 5 = 5 x 1 + 5 x .... + 5 x 700
20. 16 km = ...m
21. Find the missing numbers
    8,690 ÷ 42 = ... R ....

```
     67
 ×   76
 ------
    402
 + □,69□
 ------
 ...........
```

22. .... x 1000 = 20000
23. .... X 100 = 32.1
24. 2.3 x 1.4 = ...
25. 3.24 x 10 - 1.2 = ...
26. product of two numbers in the tenths place would have a product in the .... Place
27. 8.43 x 0.9 = ... To the nearest hundredths
28. 620 x 100 = ...



29. if 16 x 12 = 192 , then 1.6 x 12 = ...
30. 60 x 1000 = ...
31. complete by using the following area model
58 × 42 = (40 × ....) + (40 × 8) + (...... × 50) + (2 × .....) = ...

	50	8
40	2,000	320
2	100	16

32. 707 x 1 = ...
33. 1 x 3216 = ...
34. .... = quotient x divisor + remainder
35. 364 ÷ 1 = ...
36. 16000 ÷ 8 = ...
37. if 23 x 325 = 7475 , then ....
38. 32.14 x 100 = ...
39. 0.5 x 18 = ...
40. 0.1 x 0.1 = ...
41. 1000 x .... = 6
42. 0.01 x (321 + 9) = ...
43. complete the area model and find the answer
(40 × 40) + (40 × 8) + (9 × 40) + (9 × 8) = ...

	40	
.....	1,600	....
9	....	72

44. 15 x 25 = (10 + ...) x (.............+ 5)
45. 7500 x 0.01 = ...
46. the basic fact of 2400 ÷ 60 = 40 is ....

Question 4 Compare using (< , = or >)

1	4000	☐	200 x 200
2	507 x 31	☐	31 x 507
3	1 x 6	☐	0 x 154000
4	45 x 100	☐	45 x 986
5	100 x 400	☐	10 x 452
6	6 km	☐	60 meters
7	145 x 10	☐	145 tens
8	56 ÷ 1	☐	56



9	364 ÷ 0	☐	364 x 0
10	the divisor in 64 ÷ 16 = 4	☐	the divisor in 64 ÷ 4 = 16
11	divisor	☐	remainder
12	65 ÷ 65	☐	321 ÷ 321
13	1	☐	0 ÷ 635
14	1 ÷ 1	☐	0
15	25	☐	625 ÷ 25
16	3003 ÷ 1001	☐	5
17	25 ÷ 2	☐	25 x 3
18	3.45 x 0.01	☐	3.45 x 100
19	0.033 x 10	☐	3.3 x 0.1
20	1234	☐	1.234 x 1000
21	2.514 x 10	☐	25.14 x 0.01
22	754.6 x 0.01	☐	0.7546 x 10
23	3.214 x 10	☐	3214 x 0.01
24	0.007 x 1000	☐	70000 x 0.001
25	25.47 x 10	☐	0.02547 x 1000
26	0.15 x 39.8	☐	1.15 x 0.398
27	0.47 x 15.22	☐	4.7 x 1.522

Question 5 Match

1

	(A)		(B)
1	1200 ÷ 1000	a	79
2	395 ÷ 5	b	13.4 x 0.01
3	13.4 ÷ 100	c	100 x 3
4	3 x 100	d	1200 x 0.001

2

	(A)		(B)
1	3240 ÷ 24	a	0.05 ÷ 0.01
2	0.05 x 100	b	563 x 0.1
3	5.63 x 10	c	135
4	513 ÷ 19	d	27

3

	(A)		(B)
1	10467 x 0.1	a	194 x 10
2	1026 ÷ 19	b	1.467 x 1000
3	19.4 x 100	c	54
4	8080 ÷ 80	d	101

4

	(A)		(B)
1	0 ÷ 4213	a	4213 ÷ 4213
2	1	b	undefined
3	4213 ÷ 0	c	36 - 36
4	4213 ÷ 1	d	4213

Question 6 Answer the following

1. the price of 35 cans is 525 LE , find the price of each can .

   ....

2. Rozana baked 15 cup cakes . 5 of them fell on the floor . Distribute the remainder equally between Maya and Mohamed . How many cup cakes will Maya eat ?

   ....

3. there were 600 ducks in the nest yesterday . Today , 320 ducks were sold , and 50 ducks died . How many ducks will be left ?

   ....

4. Aliaa used 9 kg of flour in a recipe for cake . How many grams of flour did she use ?

   ....

5. Ola bought 75 books for 43 L.E. each . How much money did Ola pay ?

....

6. Esraa bought 231 boxes of juice for 21 L.E. each . What is the cost of all boxes ?

....

7. An employee works 480 min dialy . How many hours will the employee work in 7 days ?

....

8. if the price of a carton of milk is 15 LE , and the price of a carton of juice is 17.5 LE m and the price of carton of yogurt 14.75 LE . what is the price for buying 4 cartons of milk , 3 cartons of juice and 5 cartons of yogurt ?

....

9. A box containing 725 gm of spices was distributed equally into 10 packages . How many grams in each package ?

....

10. Abeer has 28 cans . She wants to divide it equally on 7 tables . How many cans will be on each table ?

....

11. Mahmoud earns 6 L.E daily . In how many days will he earn 54 LE ?

....

12. sandy distributed 36 pieces of candy to 9 children equally , how many pieces of candy with each child ?

....

13. Mr Mahmoud Elkholy wants to distribute 240 prizes equally over 6 classes . How many prizes will each class get ?

....

14. **By using area model solve :**

a) $63 \times 45 =$

....

b) $1625 \div 13 =$

....

c) $3.55 \times 0.75 =$

....

انتهت الأسئلة مع أطيب الأمنيات بالنجاح والتوفيق

الصف
الخامس
الابتدائي
٢٠٢٣

بنك الاسئلة

المتميز

أ/ محمود سعيد

Model Answers

Math

Novemmber Revision

5
الصف الخامس

BY

MR. Mahmoud Elkhouly







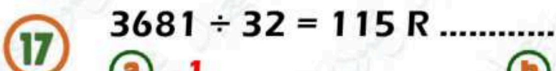
EL MOTAMYEZ - MATH Questions Bank

NOVEMBER REVISION

Question 01 — Choose the correct answer

1. 3 hundredths x 3 = ...
   (a) 9 hundredths (b) 9 hundreds (c) 0.9o (d) 9
2. in the equation 24 ÷ 4 = 6 the remainder is ....
   (a) 0 (b) 24 (c) 4 (d) 6
3. 632.2 x .... = 6.322
   (a) 100 (b) 0.01 (c) 0.001 (d) 100
4. 2520 ÷ 12 = ...
   (a) 12 (b) 123 (c) 210 (d) 321
5. 6.2 x 0.001 = ...
   (a) 0.0062 (b) 0.006 (c) 0.062 (d) 6200
6. in 14 ÷ 6 the remainder is ....
   (a) 14 (b) 6 (c) 2 (d) 0
7. 56 ÷ .... = 56
   (a) 1 (b) 56 (c) 0 (d) 8
8. 654 x 100 = ...
   (a) 0.654 (b) 65400 (c) 654 (d) 0.6541
9. in 30 ÷ 7 = 4 R2 , the divisor is ....
   (a) 30 (b) 7 (c) 2 (d) 4
10. 63 hundredths x 5 = ...
    (a) 315 hundredths (b) 3.15 (c) 31.5 (d) 315
11. 1300 x 5 = ...
    (a) 65 hundreds (b) 65000 (c) 65 (d) 1800
12. 1000 x .... = 52.1
    (a) 0.0521 (b) 0.521 (c) 52100 (d) 5.2
13. there are .... grams in 7 kg
    (a) 700 (b) 7000 (c) 7 (d) 0.007
14. 47.8 x 5.2 = ...
    (a) 248.56 (b) 24856 (c) 2485.6 (d)
15. 2 tenths x 2 = ...
    (a) 4 (b) 0.4 (c) 4 hundredths (d) 40
16. 0.23 x 6 = ...
    (a) 138 (b) 0.138 (c) 1.38 (d) 13.8





17. 3681 ÷ 32 = 115 R ....
 (a) 1 (b) 2 (c) 3 (d) 4

18. 0 ÷ 200 = ...
 (a) 200 (b) 1 (c) 0 (d) 2000

19. there are .... L in 41000 mL
 (a) 41 (b) 410 (c) 41000000 (d) 4

20. 0.0045 x .... = 45
 (a) 100 (b) 1000 (c) 10000 (d) 0.0001

21. 0.32 x 12 = ...
 (a) 3.84 (b) 384 (c) 38.4 (d) 0.384

22. 54 x 0.001 = ...
 (a) 54000 (b) 0.54 (c) 0.054 (d) 504

23. Quotient x divisor + remainder = ...
 (a) dividend (b) 23 (c) divisor (d) all

24. 25000 = ...
 (a) 25 x 000 (b) 25 + 1000 (c) 25 x 1000 (d) 20000

25. 0.2546 x 1000 = ...
 (a) 254.6 (b) 2546 (c) 25.46 (d) 2.546

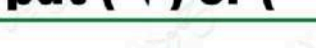
26. ....is the amount left over that is not enough to from another equal group .
 (a) quotient (b) remainder (c) divisor (d) dividend

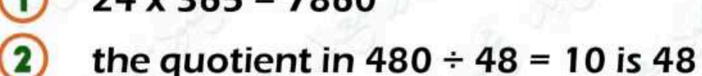
27. the product of 777 x 11 is closer to ....
 (a) 700 x 10 (b) 800 x 10 (c) 888 x 10 (d) 7000

28. the distributive property of 63 x 12 is ....
 (a) (3 x 2) + (3 + 10) + (60 x 2) + (60 x 10) (b) (60 + 3) x (10 + 2)
 (c) 756 (d) 12 x 63

29. **the partial product of 63 x 12 is ....**
 (a) (3 x 2) + (3 x 10) + (60 x 2) + (60 x 10) (b) 756
 (c) (60 + 3) x (10 + 2) (d) 12 x 63

Question 02 put (√) or (×)






1. 24 x 365 = 7860 ✗
2. the quotient in 480 ÷ 48 = 10 is 48 ✗
3. 12 L = 12000 Ml ✓
4. 563.2 x 10 = 56320 ✗
5. (300 + 60 + 1) x 5 = 361 x 5 ✓





(6) 63 tenths = 63 x 0.1 

(7) in 37 ÷ 6 = 6 R 1 , the quotient is 37 

(8) 2315 x 2315 = 1 

(9) 1111 ÷ 11 = 101 

(10) 800 ÷ 36 = 21 

(11) 260 ÷ 260 = 0 

(12) the remainder must be less than the divisor 

(13) 10 hundreds = 10 x 0.01 

(14) 632 x 789 = 632 

(15) 41.2 x 0.01 = 412 thousandths 

(16) 60 x 4000 > 240000 

(17) 0.1 x 5.2 = 152 

(18) 60 x 1000 = 6000 

(19) 5000 ÷ 50 = 500 ✗

(20) 32.4 x 0.01 = 324 thousands ✗

(21) 1 ÷ 326 = 326 ✗

(22) 26 x 123 = 123 ÷ 26 ✗

(23) 3 ÷ 18 = 6 ✗

(24) 563 x 45 = (500 + 60 + 3) + (40 + 5) ✗

(25) 400 x 3000 = 700000 ✗

(26) 45 x 230 = (40 + 2) x (200 x 30) ✗

(27) 18 kg = 18000 g 

(28) 360 x 0.1 = 36 

(29) 6327 ÷ 1 = 6327 

(30) 24 ÷ 6 = 4 R1 

(31) 1480 ÷ 123 = 12 R4 

(32) 3000 ÷ 100 = 300000 

(33) 1 tenths = 1 x 0.1 

(34) 100 ÷ 100 = 100 

Question 3 Complete

1. 20 L = ...20000.........mL .
2. the decimal point in the product of 2.1 x 4.14 is after ......3.... Place .
3. 6 x 265 = (6 x ...200...) + (...6....x 60) + (6 x ...5.....) .
4. 362 x 100 x 0.01 = ...362......
5. 125 x 0 = ...0.....
6. 44.125 x ......100........= 4412.5
7. 87 x 23 = ...2001....
8. 65.4 x 0.01 = ...0.654...
9. ......42.... ÷ 5 = 8 R2
10. if 2860 ÷ 28 = 102 R4 , then 28 x 102 = ...2856.........
11. 29 ÷ 2 = 14 R ......1......
12. 54 ÷ 54 = ...1...
13. 4004 ÷ 4 = ...1001.......
14. the dividend in 81 ÷ 9 = 9 is ......81......
15. the qoutient of 45 ÷ 5 = 9 is ......9.......
16. 63 x ......100..... = 6300
17. 602.1 x 0.01 = ...6.021.......
18. 3 x ......100000........ = 300000
19. 721 x 5 = 5 x 1 + 5 x ...20... + 5 x 700
20. 16 km = ...16000.....m
21. Find the missing numbers
    8,690 ÷ 42 = ...206..... R ....38......
22. ...20...... x 1000 = 20000

```
    67
 ×  76
 ------
   402
+ 4,690
 ------
  5,092
```

23. ....0.321........ X 100 = 32.1
24. 2.3 x 1.4 = ...3.22............
25. 3.24 x 10 - 1.2 = ...31.2....
26. product of two numbers in the tenths place would have a product in the ......hundredths..... Place
27. 8.43 x 0.9 = ...7.59........ To the nearest hundredths
28. 620 x 100 = ...62000......



29. if 16 x 12 = 192 , then 1.6 x 12 = ...19.2.....
30. 60 x 1000 = ...60000.....
31. complete by using the following area model

	50	8
40	2,000	320
2	100	16

58 × 42 = (40 × .....50..) + (40 × 8) + (....2.. × 50) + (2 × ..8...) = ...2,436....

32. 707 x 1 = ...707......
33. 1 x 3216 = ...3216.....
34. ......dividend......... = quotient x divisor + remainder
35. 364 ÷ 1 = ...364......
36. 16000 ÷ 8 = ...2000......
37. if 23 x 325 = 7475 , then ......7475 ÷ 23 = 325........
38. 32.14 x 100 = ...3214....
39. 0.5 x 18 = ...9.....
40. 0.1 x 0.1 = ...0.01...
41. 1000 x ...0.006...... = 6
42. 0.01 x (321 + 9) = ...3.3.......
43. complete the area model and find the answer

	40	8
40	1,600	320
9	360	72

(40 × 40) + (40 × 8) + (9 × 40) + (9 × 8) = ...2,242......

44. 15 x 25 = (10 + ...5 ..) x (...20....+ 5)
45. 7500 x 0.01 = ...75....
46. the basic fact of 2400 ÷ 60 = 40 is ......24 ÷ 6 = 4........

Question 4 Compare using (< , = or >)

1. 4000 < 200 x 200
2. 507 x 31 = 31 x 507
3. 1 x 6 > 0 x 154000
4. 45 x 100 < 45 x 986
5. 100 x 400 > 10 x 452
6. 6 km > 60 meters
7. 145 x 10 = 145 tens
8. 56 ÷ 1 = 56

No.			
9	364 ÷ 0	<	364 x 0
10	the divisor in 64 ÷ 16 = 4	>	the divisor in 64 ÷ 4 = 16
11	divisor	>	remainder
12	65 ÷ 65	=	321 ÷ 321
13	1	>	0 ÷ 635
14	1 ÷ 1	>	0
15	25	=	625 ÷ 25
16	3003 ÷ 1001	<	5
17	25 ÷ 2	<	25 x 3
18	3.45 x 0.01	<	3.45 x 100
19	0.033 x 10	=	3.3 x 0.1
20	1234	=	1.234 x 1000
21	2.514 x 10	>	25.14 x 0.01
22	754.6 x 0.01	=	0.7546 x 10
23	3.214 x 10	=	3214 x 0.01
24	0.007 x 1000	<	70000 x 0.001
25	25.47 x 10	>	0.02547 x 1000
26	0.15 x 39.8	>	1.15 x 0.398
27	0.47 x 15.22	=	4.7 x 1.522

Question 5 Match

1

	(A)		(B)	
1	1200 ÷ 1000	a	79	1-d
2	395 ÷ 5	b	13.4 x 0.01	2-a
3	13.4 ÷ 100	c	100 x 3	3-b
4	3 x 100	d	1200 x 0.001	4-c

2

	(A)		(B)	
1	3240 ÷ 24	a	0.05 ÷ 0.01	1-c
2	0.05 x 100	b	563 x 0.1	2-a
3	5.63 x 10	c	135	3-b
4	513 ÷ 19	d	27	4-d

3

	(A)		(B)	
1	10467 x 0.1	a	194 x 10	1-b
2	1026 ÷ 19	b	1.467 x 1000	2-c
3	19.4 x 100	c	54	3-a
4	8080 ÷ 80	d	101	4-d

4

	(A)		(B)	
1	0 ÷ 4213	a	4213 ÷ 4213	1-c
2	1	b	undefined	2-a
3	4213 ÷ 0	c	36 - 36	3-b
4	4213 ÷ 1	d	4213	4-d

Question 6 Answer the following

1. the price of 35 cans is 525 LE , find the price of each can .
   525 ÷ 35 = 15 L.E
2. Rozana baked 15 cup cackes . 5 of them fell on the floor . Distribute the remainder equally between Maya and Mohamed . How many cup cakes will Maya eat ?
   15 - 5 = 10 cup cakes - 10 ÷ 2 = 5 cup cakes
3. there were 600 ducks in the nest yesterday . Today , 320 ducks were sold , and 50 ducks died . How many ducks will be left ?
   600 - (320 + 50) = 230 ducks
4. Aliaa used 9 kg of flour in a recipe for cake . How many grams of flour did she use ?
   9 kg = 9 x 1000 = 9000 grams




5. Ola bought 75 books for 43 L.E. each . How much money did Ola pay ?
75 x 43 = 3225 L.E.

6. Esraa bought 231 boxes of juice for 21 L.E. each . What is the cost of all boxes ?
231 x 21 = 4851 L.E.

7. An employee works 480 min dialy . How many hours will the employee work in 7 days ?
480 ÷ 60 = 8 hours - 8 x 7 = 56 hours

8. if the price of a carton of milk is 15 LE , and the price of a carton of juice is 17.5 LE m and the price of carton of yogurt 14.75 LE . what is the price for buying 4 cartons of milk , 3 cartons of juice and 5 cartons of yogurt ?
4 x 15 = 60 LE - 3 x 17.5 = 52.5 LE - 5 x 14.75 = 73.75 LE - the total price = 73.75 + 52.5 + 60 = 186.25 LE

9. A box containing 725 gm of spices was distributed equally into 10 packages . How many grams in each package ?
725 ÷ 10 = 72.5 gm

10. Abeer has 28 cans . She wants to divide it equally on 7 tables . How many cans will be on each table ?
28 ÷ 7 = 4 boxes

11. Mahmoud earns 6 L.E daily . In how many days will he earn 54 LE ?
54 ÷ 6 = 9 days

12. sandy distributed 36 pieces of candy to 9 children equally , how many pieces of candy with each child ?
36 ÷ 9 = 4 pieces

13. Mr Mahmoud Elkholy wants to distribute 240 prizes equally over 6 classes . How many prizes will each class get ?
240 ÷ 6 = 40 prizes

14. **By using area model solve :**

a) 63 × 45 =
2400 + 120 + 300 + 15 = 2835

	40	5
60	2400	300
3	120	15

b) 1625 ÷ 13 =
100 + 20 + 5 = 125

	100	20	5
13	1625 - 1300 = 325	325 - 260 = 65	65 - 65 = 00

c) 3.55 × 0.75 =
2.1 + 0.15 + 0.35 + 0.025 + 0.035 + 0.0025 = 2.6625

	3	0.5	0.05
0.7	2.1	0.35	0.035
0.05	0.15	0.025	0.0025

تم بحمد لله ،

بسم الله الرحمن الرحيم " إِنَّ الَّذِينَ آمَنُوا وَعَمِلُوا الصَّالِحَاتِ إِنَّا لَا نُضِيعُ أَجْرَ مَنْ أَحْسَنَ عَمَلًا " صدق الله العظيم

Concept (3-1)
Models for Multiplication

Lesson (1): The Power of Ten:

Jumping by Powers of Ten Solve.

1. $8 \times$ ________ $= 8,000$

2. $3 \times 10,000 =$ ________

3. ________ $\times 9 = 900$

4. $2 \times$ ________ $= 200,000$

5. $1,000 \times 6 =$ ________



Matching Expressions Choose from the given expressions to enter the one that is equal to the number.

5×100	10×5	$100,000 \times 5$	$5 \times 1,000$	$5 \times 10,000$

A. 50,000 ________

B. 500 ________

C. 5,000 ________

D. 50 ________

E. 500,000 ________



1. A crate of mangoes weighs 9 kilograms. How many kilograms would 1,000 crates weigh?



Use basic facts and patterns to find each product.

a. $3 \times 1 =$ ☐
$3 \times 10 =$ ☐
$3 \times 100 =$ ☐
$3 \times 1{,}000 =$ ☐
$3 \times 10{,}000 =$ ☐

b. $14 \times 1 =$ ☐
$14 \times 10 =$ ☐
$14 \times 100 =$ ☐
$14 \times 1{,}000 =$ ☐
$14 \times 10{,}000 =$ ☐

c. $50 \times 1 =$ ☐
$50 \times 10 =$ ☐
$50 \times 100 =$ ☐
$50 \times 1{,}000 =$ ☐
$50 \times 10{,}000 =$ ☐



Fill in the blanks below.

a. 5 cm = ________ mm
b. 2 kg = ________ g
c. 7 L = ________ mL
d. 6 m = ________ cm
e. 10 km = ________ meters
f. 9 kilometers = ________ cm



Lesson (2): Using the Area Model to Multiply:

Multiplying Tens How many times will 10 need to be multiplied by itself to equal each given number?

1. 100
2. 1,000
3. 10,000
4. 100,000



Whiteboard: Expanding Equations Work with your teacher and classmates to create area models and find each product.

1. $374 \times 62 =$ __________

2. $506 \times 42 =$ __________

374×62

		70	
2		140	8

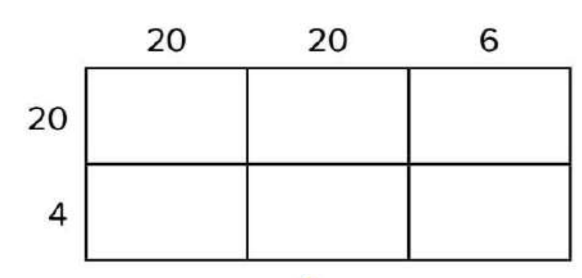
506×42



Decompose with Area Model Eman is planting a garden. She wants to find the area of the garden to know how much topsoil she will need. The garden is 46 meters long and 24 m wide. How many different ways can you decompose the numbers to help her find the area?

$46 \times 24 =$ __________

Example:





Complete each of the following area models.

a.

	30	8
10		
6		

b.

	50	4
20		
3		



c.

	100	70	5
80			
2			

d.

	300	60	1
50			
6			



Lesson (3): The Distributive Property of Multiplication:

Use the Distributive Property of Multiplication and area model to find the product of each of the following.

a. 14 × 27 = ______

(10 × 20) + (10 × ___) + (___ × 20)

+ (4 × ___) = ______

	20	7
10	200	70
4	80	28



58 × 42 = ______

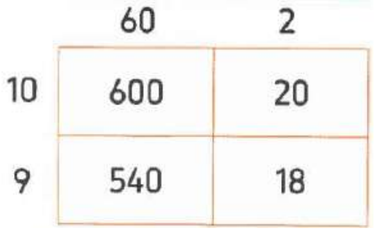
(40 × ___) + (40 × 8) + (___ × 50) + (2 × ___) = ______

	50	8
40	2,000	320
2	100	16



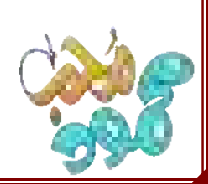
19 × 62 = ______

(10 × ___) + (___ × 2) + (___ × 60) + (9 × ___) = ______



	60	2
10	600	20
9	540	18





Lesson (4): Using the Partial Products Model to Multiply:

Find the product using the partial products.

a.
```
      4 5
  ×   7 2
  -------
  ____     ←[__ × __]
+ ____     ←[__ × __]
+ ____     ←[__ × __]
+ ____     ←[__ × __]
  -------
  ____
```

b.
```
      5 6 4
  ×     3 5
  ---------
  ______     ←[__ × __]
+ ______     ←[__ × __]
+ ______     ←[__ × __]
+ ______     ←[__ × __]
+ ______     ←[__ × __]
+ ______     ←[__ × __]
  ---------
  ______
```



Homework

2. If 10 millimeters makes 1 centimeter, how many millimeters are in 7 centimeters?



3. There are 1,000 milliliters in 1 liter. Omar bought a 2-liter bottle of juice. How many milliliters are in the bottle?



4. Aya ran a 5-kilometer race on Saturday. If there are 1,000 meters in 1 kilometer, how many meters did she run?





Find each product of the following.

a. $3 \times 10 =$ ______

b. $6 \times 100 =$ ______

c. $1,000 \times 6 =$ ______

d. $3 \times 10,000 =$ ______

e. $2 \times 100,000 =$ ______

f. $10,000 \times 5 =$ ______

g. $10 \times 18 =$ ______

h. $30 \times 100 =$ ______

i. $13 \times 1,000 =$ ______

j. $70 \times 10,000 =$ ______

k. $100 \times 12 =$ ______

l. $60 \times 1,000 =$ ______

m. $15 \times 100,000 =$ ______

n. $80 \times 100,000 =$ ______



Fill in the blanks below.

a. 7 cm = ______ mm

b. 3 km = ______ m

c. 8 L = ______ mL

d. 9 m = ______ cm

e. 5 kg = ______ g

f. 20 L = ______ mL

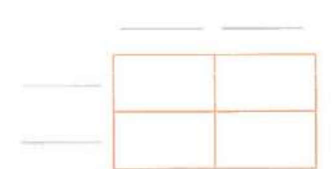
g. 7 km = ______ cm

h. 50 m = ______ mm

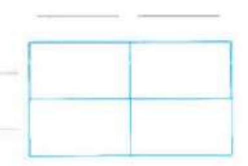


Expanding Equations. Create an area model for each of the following problems and find each product.

a. $21 \times 64 =$ ______



b. $103 \times 72 =$ ______





$(20 \times 30) + ($ ___ $\times$ ___ $) + ($ ___ $\times$ ___ $) + (4 \times 7) =$ ______

	30	7
20	600	140
4	120	28





Complete the area model and evaluate.

a. (50 × 30) + (50 × 4) + (7 × 30) + (7 × 4) = ______

	30	4
50	______	200
______	210	______



Solve using the partial products.

a.

```
     7 6
  ×  3 2
  ______  ← (30 × 70)
+ ______  ← (30 × 6)
+ ______  ← (2 × 70)
+ ______  ← (2 × 6)
  ______
```

b.

```
     9 7
  ×  6 8
  ______  ← (60 × 90)
+ ______  ← (60 × 7)
+ ______  ← (8 × 90)
+ ______  ← (8 × 7)
  ______
```

c.

```
     3 7
  ×  5 4
  ______  ← (4 × 7)
+ ______  ← (4 × 30)
+ ______  ← (50 × 7)
+ ______  ← (50 × 30)
  ______
```



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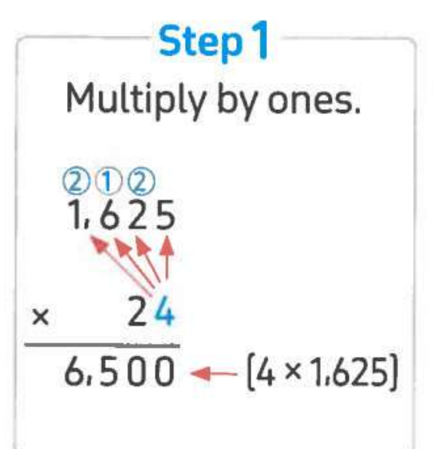
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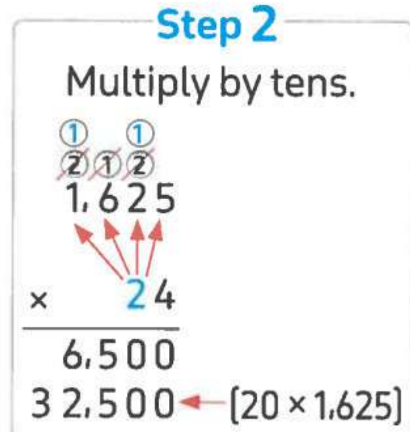
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Concept (3-2)
Multiplying 4-Digit Number by 2-Digit Number

Lesson (5): What Is an Algorithm?





Step 3

Add the products.

$$\begin{array}{r} 1{,}625 \\ \times \quad 24 \\ \hline \overset{1}{6{,}500} \\ +\ 32{,}500 \\ \hline 39{,}000 \end{array}$$



Area Model	Partial Products Model	Standard Algorithm for Multiplication
(40, 5 across; 30, 7 down) 30: 1,200 | 150 7: 280 | 35	45 × 37 (30 × 40) = 1,200 (30 × 5) = 150 (7 × 40) = 280 (7 × 5) = 35 1,665	1 3 45 × 37 315 + 1,350 1,665



Akram says that 34 × 69 will give you the same product as (34 × 70) – 34. Do you agree or disagree? Why?





Fill in the area model starting at letter A.

a.

	20	6
30	D.	C.
3	B.	A.

Final product : ______

b.

	70	8
50	D.	C.
2	B.	A.

Final product : ______



Lesson (6): Multiplying Multi-Digit Numbers:

Determine the values of the missing digits and then find the final product.

a.
```
    4
    4̸
    6 7
×   7 6
  4 0 2
+ □ 6 9 □
 [      ]
```

b.
```
    6
    7̸
    4 9
×   7 8
  3 □ 2
+ 3 □ 3 0
 [      ]
```

c.
```
  1
  2̸  1
  5  6  3
×    2  4
2  2  5 □
+ 1 □ 2 □ 0
 [        ]
```



Solve the following. First by estimate by round to the greatest place value, second use standard algorithm to find the actual product.

a.
```
      8 8 8 → Estimate ______
×       2 9 → ______
```

b.
```
      7 2 1 → Estimate ______
×       7 4 → ______
```

c.
```
    4, 6 2 5 → Estimate ______
×        1 8 → ______
```



Choose the correct answer.

1. 17 × 18 ◯ 20 × 11
   A. > B. < C. =

2. What is the Ones digit in the product of 37 × 124 ?
   A. 2 B. 3 C. 6 D. 8

3. The product of 372 × 52 is close to ______
   A. 20,000 B. 15,000 C. 7,000 D. 10,000

4. 831 × 49 is close to ______
   A. 30,000 B. 32,000 C. 50,000 D. 40,000

5. The missing number in the product is ______
   A. 2,882
   B. 10,122
   C. 2,892
   D. 2,880

$$\begin{array}{r} 723 \\ \times \quad 14 \\ \hline ____ \\ +\ 7,230 \\ \hline 10,122 \end{array}$$

6. 327 × 53 ◯ 199 × 43
   A. > B. < C. =



Lesson (7): Multiplication Problems in the Real World:

Sandwiches at the diner are 24 pounds, a salad costs 3 pounds and a glass of juice is 8 pounds. A Family went to the diner and order 3 sandwiches, 2 salads and 3 glasses of juice.



a. How much will the family pay for the 3 sandwiches ? ______

b. How much will the family pay for the 2 salads ? ______

c. How much will the family pay for the 3 glasses of juice ? ______

d. How much is the total bill ? ______





Shirts in the seasons costs 185 pounds. Sweaters cost 270 pounds. Yara and her friends bought 12 shirts and 13 sweaters.

a. How much will they pay for the shirts ? ____________

b. How much will they pay for the sweaters ? ____________

c. How much is their bill ? ____________



For Wael's baklava syrup, he needs 250 milliliters of honey, 15 mL of orange extract, and 30 mL of lemon juice per recipe. How many total milliliters of liquid ingredients will he need for the sauce if he needs to make 18 batches?



Mona uses 1,133 grams of sugar daily. How many grams does she use in 30 weeks?



Homework

1. Use standard algorithm strategy to find the result.

a. 35 × 862

b. 74 × 5,641

c. 2,504 × 16







c.

	300	60	7
20	F.	E.	D.
9	C.	B.	A.

Final product : ________

d.

	500	40	6
10	F.	E.	D.
8	C.	B.	A.

Final product : ________



Find the result using standard algorithm.

a. 26×33

b. 78×52

c. 367×29

d. 546×18



Estimate the product.

a. 416 × 72

b. 871 × 27

c. 586 × 69

d. 490 × 71

e. 817 × 34

f. 999 × 94



Mona makes freshly squeezed lemonade each day for her customers. She uses 6 lemons for each liter of lemonade. She makes 8 liters of lemonade a day. After 365 days, how many lemons has she used?

How many liters of lemonade does she make in 365 days?



For Wael's baklava syrup, he needs 250 milliliters of honey, 15 mL of orange extract, and 30 mL of lemon juice per recipe. How many total milliliters of liquid ingredients will he need for the sauce if he needs to make 18 batches?



Concept (4-1)
Models for Division

Lesson (1): Understanding Division:

28	÷	3	=	9	R1
Dividend		Divisor		Quotient	Remainder



If 18 plums are divided equally into 3 bags, then how many plums will be in each bag?



If 18 plums are packed 3 to a bag, then how many bags will there be?



Salwa has 35 books. She puts 5 books on each shelf.

How many shelves does she use ?



Complete the following table.

	Division Equation	Dividend	Divisor	Quotient	Remainder
a.	$20 \div 5 = 4$	___	___	___	___
b.	$68 \div 7 = 9$ R5	___	___	___	___



Lesson (2): Using the Area Model to Divide:

Divide : 1,845 ÷ 15 By using the area model

Step 1

Draw a long rectangle and write 15 on the smaller left side of the rectangle.

15	

Step 2

Try to use basic facts and pattern to get close to 1,845

15 × 1 = 15 , 15 × 10 = 150

, 15 × 100 = 1,500 (close to 1,845)

• Subtract 1,845 – 1,500 = 345

	100	
15	1,845 – 1,500 345	

Step 3

There are 345 meters left to be divided by 15

15 × 2 = 30

, 15 × 20 = 300 (close to 345)

• Subtract 345 – 300 = 45

	100	20	
15	1,845 – 1,500 345	345 – 300 45	

Step 4

Since, there are 45 meters left to be divided by 15

15 × 1 = 15 , 15 × 2 = 30 , 15 × 3 = 45 (the same number)

• Subtract : 45 – 45 = 0

	100	20	3
15	1,845 – 1,500 345	345 – 300 45	45 – 45 00

Step 5

Add the 3 numbers 100 + 20 + 3 = 123

then : 1,845 ÷ 15 = 123



Complete each set of multiplication equations

1. $3 \times 5 =$ ______

$3 \times 50 =$ ______

$3 \times 500 =$ ______

2. $40 \times 2 =$ ______

$40 \times 20 =$ ______

$400 \times 200 =$ ______





Model Match Choose the correct area model that represents each problem and fill in any missing numbers. Then, use the area model to answer each problem.

1. 9,234 ÷ 81 = ________

2. 3,622 ÷ 31 = ________

3. 1,050 ÷ 7 = ________

A.

	100	10	6
31	3,622 − 3,100 522	522 − 310 212	212 − 186 26

100 + 10 + 6 = 116 R26

B.

	100	50
____	1,050 − 700 350	350 − 350 0

100 + 50 = 150

C.

	____	____	____	____
81	9,234 − 8,100 1,134	1,134 − 810 324	324 − 162 162	162 − 162 0

____ + ____ + ____ + ____ = ____



Lesson (3): Using the Partial Quotients Model to Divide:

Divide : 1,845 ÷ 15

Step 1

Draw a begining model as shown.

```
15)1, 8 4 5
```

Step 2

Think about the basic facts and patterns to get the closest number to 1,845

15 × 1 = 15 , 15 × 10 = 150

, 15 × 100 = 1,500 (close to 1,845)

```
15)1, 8 4 5
 -  1, 5 0 0 | 100
    ---------
       3 4 5
```

- Write 1,500 below the dividend and 100 to the right of the vertical line as shown.
- Subtract : 1,845 – 1,500 = 345

Step 3

Look at what is remaining of the dividend (345) we need to divide it by 15

15 × 1 = 15 , 15 × 10 = 150

, 15 × 100 = 1,500 (larger than 345)

then we can use 15 × 10 = 150

```
15)1, 8 4 5
 -  1, 5 0 0 | 100
    ---------
       3 4 5
 -     1 5 0 | 10
    ---------
       1 9 5
```

- Write 150 below the remainder (345) and 10 to the right of the vertical line as shown.
- Subtract : 345 – 150 = 195

Step 4

We still need to divide 195 by 15

so, we can use 15 × 10 = 150

and follow the last step as shown.

- Subtract : 195 – 150 = 45

```
15)1, 8 4 5
 -  1, 5 0 0 | 100
    ---------
       3 4 5
 -     1 5 0 | 10
    ---------
       1 9 5
 -     1 5 0 | 10
    ---------
         4 5
```

Step 5

At last we need to divide 45 by 15

1 × 15 = 15 , 2 × 15 = 30

, 3 × 15 = 45 (the same number)

- Write 45 below 45 (the last remainder) and 3 to the right of the vertical line as shown.

```
           1 2 3
15)1, 8 4 5
 -  1, 5 0 0 | 100
    ---------
       3 4 5
 -     1 5 0 | 10
    ---------
       1 9 5
 -     1 5 0 | 10
    ---------
         4 5
 -       4 5 | 3
    ---------
           0
```





Look at the partial quotients solution for each problem. Fill in the blanks and empty boxes to complete the solution.

a.

```
      1 1 8 R13
23 ) 2,7 2 7
   - 2,3 0 0   |____
       4 2 7
   -   2 3 0   |____
       1 9 7
   -     6 9   |____
       1 2 8
   -     6 9   |____
         5 9
   -     4 6   |____
         1 3
```

b.

```
     [    ]
3 ) 2,4 5 1
  - [    ]    |800
        5 1
  -     3 0   |____
        2 1
  - [    ]    |____
          0
```

c.

```
       1 3 4 R23
60 ) 8,0 6 3
   - [    ]    |100
     2,0 6 3
   - [    ]    |30
       2 6 3
   - [    ]    |4
         2 3
```



Lesson (4): Estimating Quotients:

Estimate using compatible numbers.

a. 5,814 ÷ 47 = ____________

Estimation : ____________

b. 6,397 ÷ 28 = ____________

Estimation : ____________

c. 1,448 ÷ 48 = ____________

Estimation : ____________

d. 7,061 ÷ 23 = ____________

Estimation : ____________



Homework

Estimate using compatible numbers.

a. 6,658 ÷ 69 = ____________

Estimation : ____________

b. 1,064 ÷ 19 = ____________

Estimation : ____________



Choose the correct answer.

1. In the equation 27 ÷ 3 = 9 , the quotient is ______

A. 27 B. 3 C. 9 D. zero

2. The divisor in the equation 48 ÷ 6 = 8 is ______

A. 48 B. 6 C. 8 D. zero

3. Dividend = Quotient × divisor + ______

A. Dividend B. Quotient C. Divisor D. Remainder

4. 36 ÷ ______ = 9

A. 3 B. 4 C. 5 D. 6

5. ______ ÷ 5 = 9

A. 59 B. 54 C. 45 D. 95

6. 29 ÷ 4 = 7 R ______

A. zero B. 1 C. 2 D. 3

7. Zero divided by any non-zero number gives ______ as a quotient.

A. zero B. same number C. 1 D. 2

8. Giovanni needs 36 balloons for the party but balloons come in a pack of 9. How many packs should he buy ?

A. 2 B. 3 C. 4 D. 5

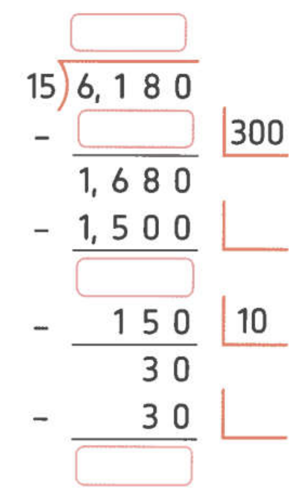


Look at the partial quotients solution for each problem. Fill in the blanks and empty boxes to complete the solution.

a.

```
      [    ]
 9 ) 4, 6 0 8
  -  4, 5 0 0   |___
     [    ]
  -      9 0    |___
         1 8
  -      1 8    |___
           0
```

b.



c.

```
         2 3 2 R [ ]
 30 ) 6, 9 7 5
  -  [    ]      | 200
     [    ]
  -  [    ]      | 30
     [    ]
  -  [    ]      | 2
     [    ]
```





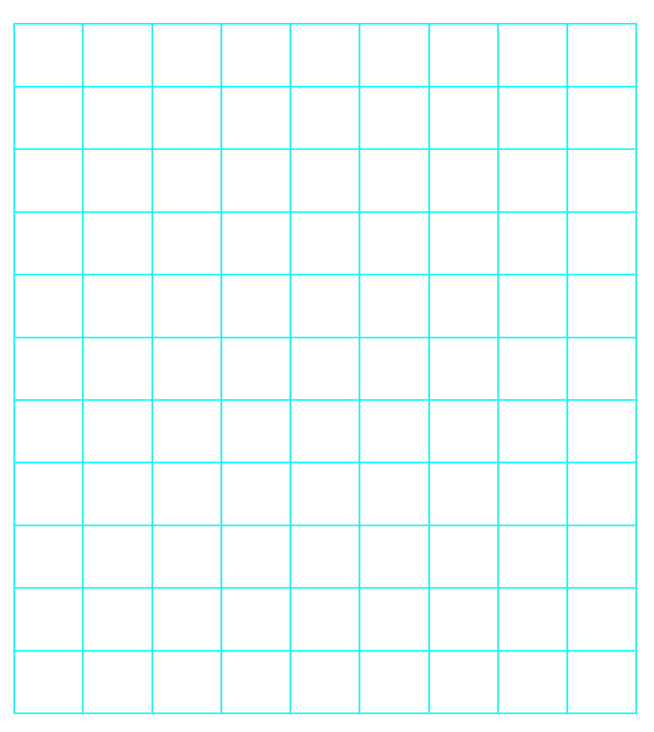
Concept (4-2)
Dividing by 2-Digit Divisors

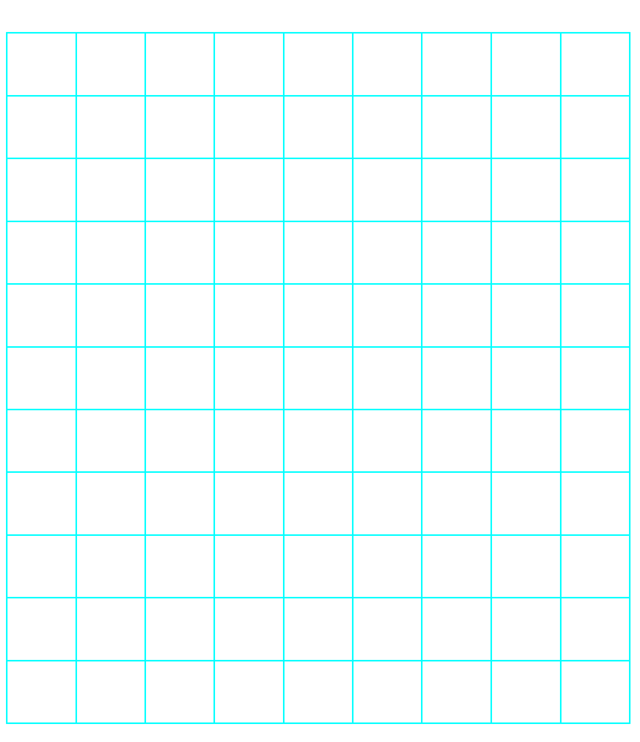
Lesson (5): Using the Standard Algorithm to Divide:

1596 ÷ 3 =



2524 ÷ 4 =

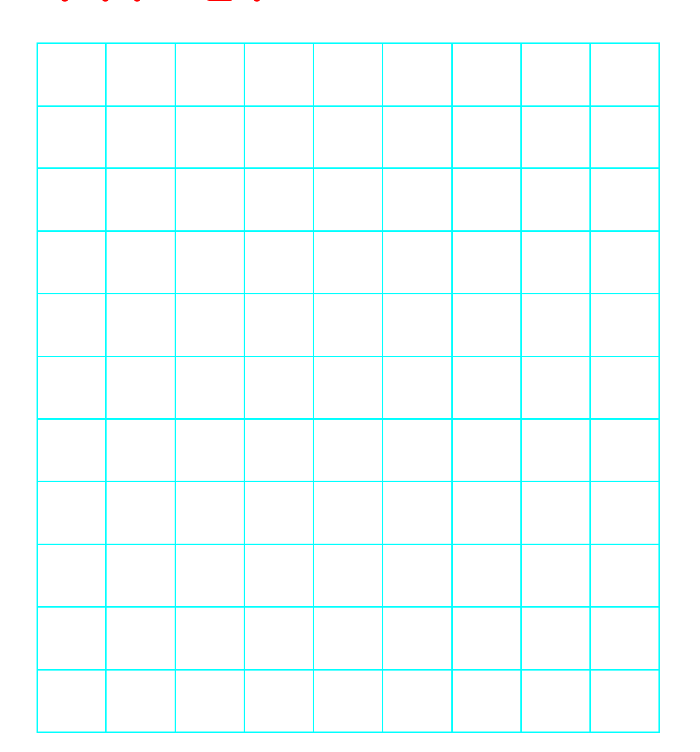




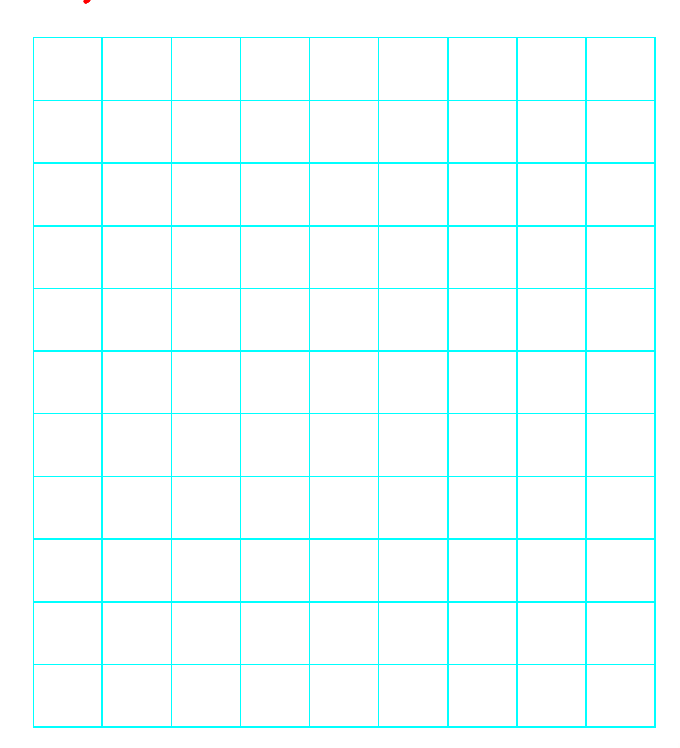


744 ÷ 24 =

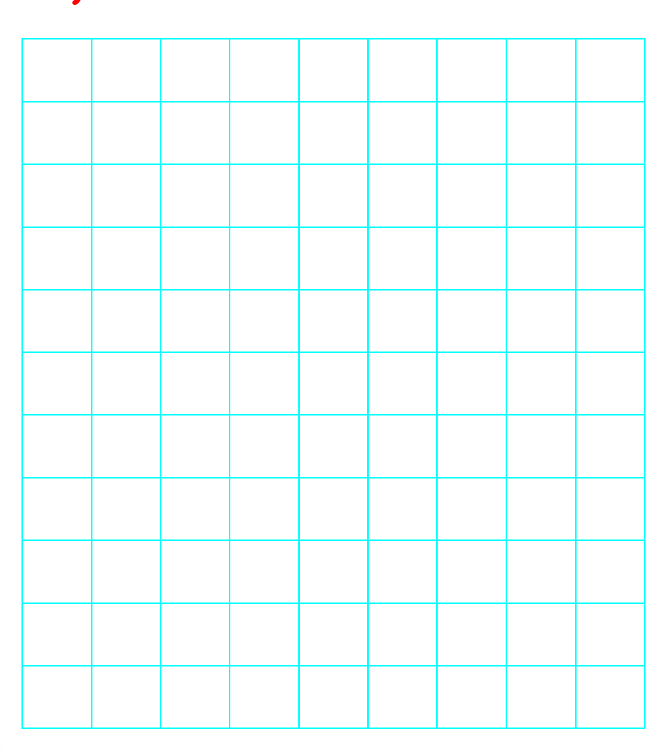
1,910 ÷ 83 =



$1,113 \div 53 =$

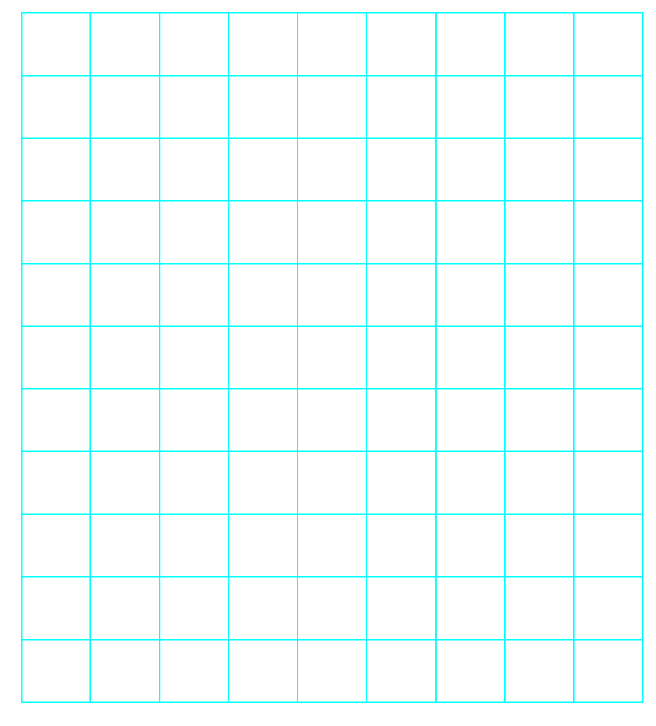


$1,077 \div 43 =$

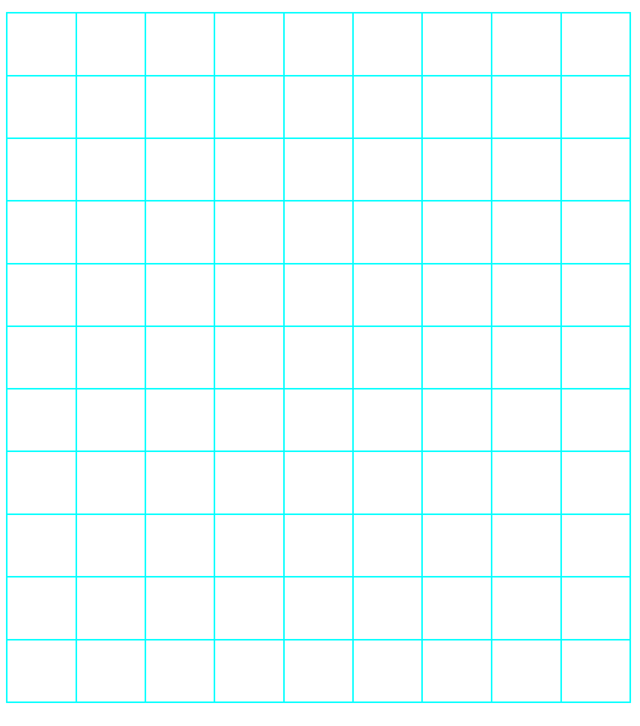




$1,475 \div 35 =$



$1,716 \div 52 =$







Lesson (6): Checking Division with Multiplication:

Choose the correct answer.

1. The division equation that matches $125 \times 36 = 4{,}500$ is ______
   - A. $4{,}500 - 125 = 36$
   - B. $125 \div 36 = 4{,}500$
   - C. $4{,}500 \div 36 = 125$
   - D. $125 + 36 = 4{,}500$

2. Which expression can be used to check the solution of the following division problem?
   $8{,}668 \div 24 = 361$ R 4
   - A. 24×361
   - B. $28 \times 8{,}668$
   - C. $361 \times 4 + 24$
   - D. $24 \times 361 + 4$



Lesson (7): Multistep Story Problems:

Amgd saved 550 pounds, Bassem saved 3 times as much as Amgd and Sameh saved 900 pounds more than Agmd. How many pounds were saved by all of them?



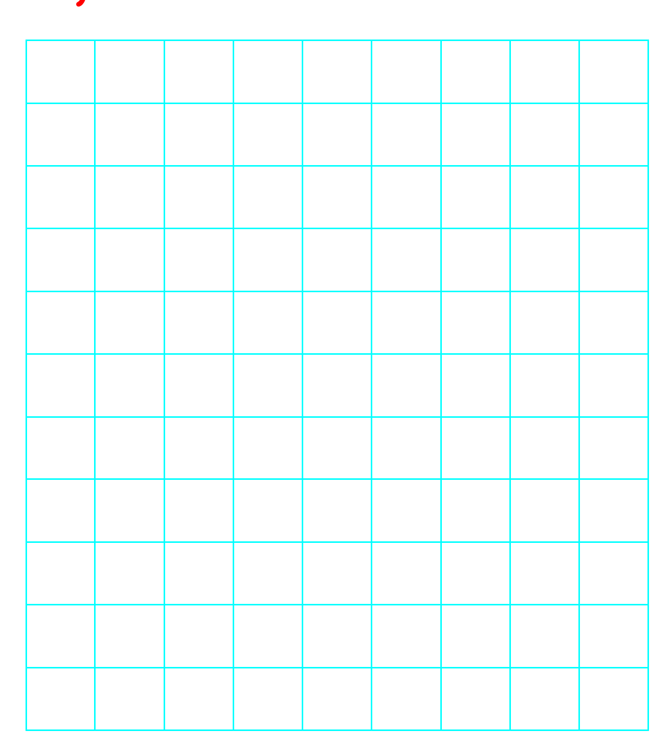
Mom baked a batch of 12 balah el sham. Two balah el sham fell on the floor. If 4 children split the remaining balah el sham equally, how many balah el sham will each child get?



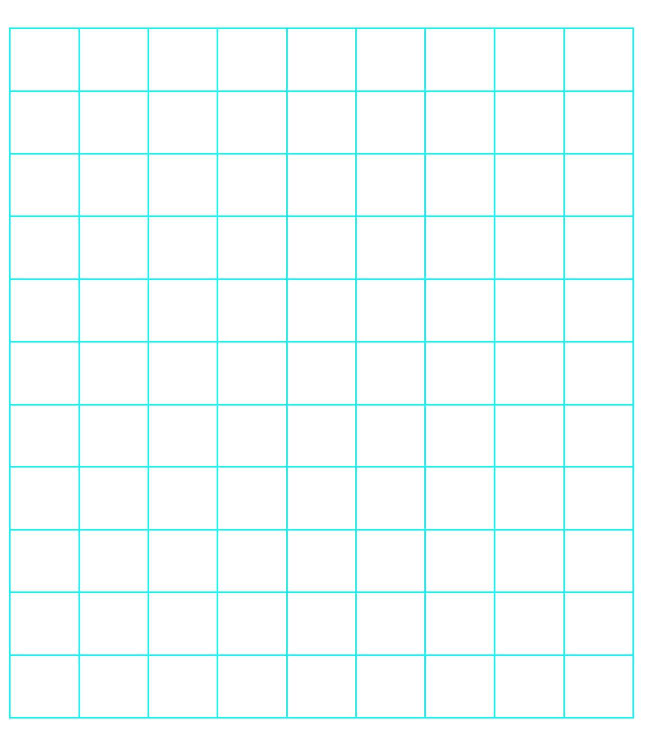


Homework

1,752 ÷ 73 =

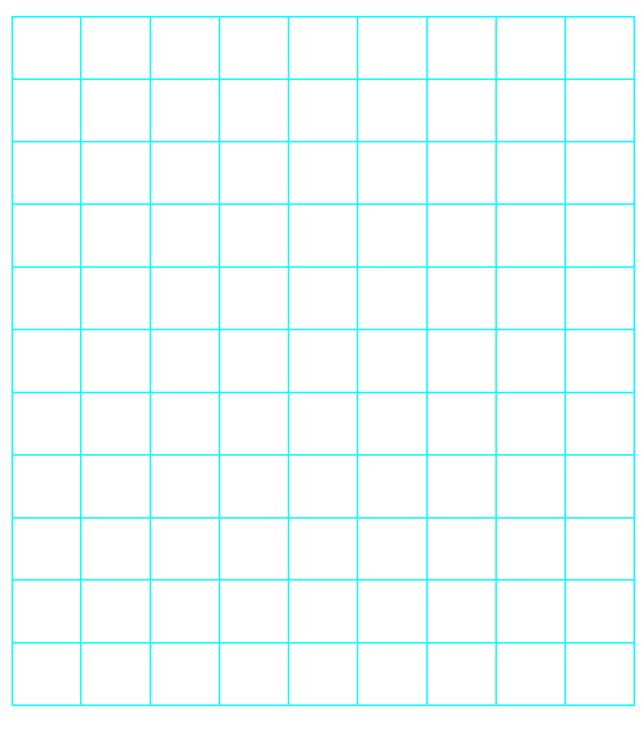


1,676 ÷ 54 =

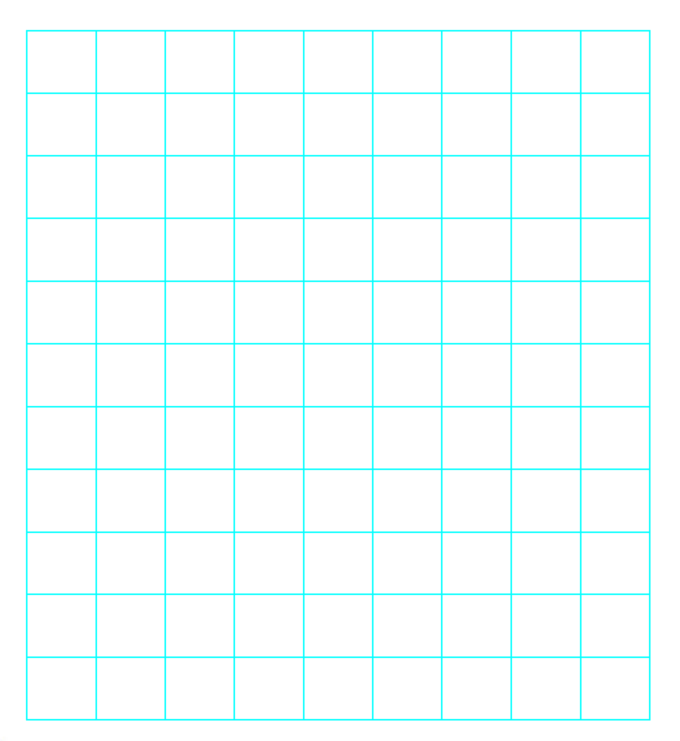




1,403 ÷ 61 =



1,935 ÷ 92 =







In one year, a textile factory used 11,650 meters of cotton, 4,950 fewer meters of silk than cotton, and 3,500 fewer meters of wool than silk. How many meters of fabric were used in all ?



Malek and his family are going on a road trip to his grandmother's house, which is 465 kilometers away. On Friday, they travel 124 km. On Saturday, they traveled 210 km. How many kilometers will they need to travel on Sunday to reach his grandmother's house?





Concept (5-1)
Multiplying Decimals

Lesson (1): Multiplying by Powers of Ten:

Missing Numbers Fill in the missing numbers in each equation.

1	10	100	1,000	10,000	100,000

1. 496 = 4 × (A) + 9 × (B) + 6
2. 6,140 = 6 × (C) + 1 × (D) + 4 × (E)
3. 20,403 = 2 × (F) + 4 × (G) + 3
4. 78,594 = 7 × (H) + 8 × (I) + 5 × (J) + 9 × (K) + 4
5. 8,032 × 1,000 = (L)



Now fill in the blanks.

1. 25 × 1,000 = ______________
2. 25 × 100 = ______________
3. 25 × 10 = ______________
4. 25 × 1 = ______________
5. 25 × 0.1 = ______________
6. 25 × 0.01 = ______________
7. 25 × 0.001 = ______________



Hoda's Stride Hoda's stride is 0.72 meters. How far, in meters, will Hoda walk after taking 1,000 paces? Use words and numbers to explain how you found your answer.

Lesson (2): Multiplying Decimals by Whole Numbers:

Evaluate:

1. 0.3×3
2. 0.3×4
3. 0.3×5
4. 2.5×3
5. 0.35×5



Complete.

a. $7.5 \times 3 =$ ______
b. $7.5 \times 6 =$ ______
c. $6.05 \times 5 =$ ______
d. $0.74 \times 9 =$ ______
e. $5.68 \times 7 =$ ______
f. $7.2 \times 12 =$ ______



Lesson (3): Multiplying Tenths by Tenths:

Evaluate:

1. $0.1 \times 0.1 =$ ______
2. $0.3 \times 0.4 =$ ______
3. $0.5 \times 0.2 =$ ______
5. $0.9 \times 0.5 =$ ______
4. $0.7 \times 0.8 =$ ______
6. $0.5 \times 0.6 =$ ______
7. $1.6 \times 0.4 =$ ______



Lesson (4): Estimating Decimal Products:

1. 24.3×1.8 Estimate: ____________
2. 8.2×11.5 Estimate: ____________
3. 6.7×11.5 Estimate: ____________
4. 99.6×12.7 Estimate: ____________
5. 58.25×99.3 Estimate: ____________
6. 649.9×0.8 Estimate: ____________
7. 47.1×33.6 Estimate: ____________
8. 450.321×2.2 Estimate: ____________
9. 121.352×3.8 Estimate: ____________



Lesson (5): Using the Area Model to Multiply Decimals:

1. $80 \times 3 = 240$

   $8 \times 30 = 240$

   $8 \times 3 =$ ____________

   $0.8 \times 3 =$ ____________

   $8 \times 0.3 = 2.4$

   $0.8 \times 0.3 =$ ____________

   $0.08 \times 0.3 =$ ____________

   $0.8 \times 0.03 =$ ____________

2. $7 \times 600 = 4{,}200$

   $7 \times 60 =$ ____________

   $7 \times 6 = 42$

   $7 \times 0.6 =$ ____________

   $7 \times 0.06 = 0.42$

   $0.7 \times 0.6 =$ ____________

   $0.7 \times 0.06 =$ ____________

   $0.07 \times 0.06 =$ ____________



Homework

Multiply to complete the table.

	1.	2.	3.
×	3	30	300
0.001	A. ______	G. ______	M. ______
0.01	B. ______	H. ______	N. ______
0.1	C. ______	I. ______	O. ______
1	D. ______	J. ______	P. ______
10	E. ______	K. ______	Q. ______
100	F. ______	L. ______	R. ______



Let's Try It Evaluate.

1. $4.2 \times 10 =$ ______
2. $360 \times 0.1 =$ ______
3. $7.4 \times 0.01 =$ ______
4. $1.245 \times 100 =$ ______
5. $602.1 \times 0.01 =$ ______
6. $14.14 \times 0.1 =$ ______



Find the result of each of the following.

a. $57.32 \times 0.1 =$ ______

b. $0.0823 \times 1{,}000 =$ ______

c. $18 \times 0.001 =$ ______

d. $0.524 \times 10 =$ ______

e. $5.3 \times 0.01 =$ ______

f. $62 \times 100 =$ ______



Complete.

a. 0.5 × 5 = ________ b. 0.5 × 6 = ________ c. 3.5 × 3 = ________

d. 0.45 × 5 = ________ e. 0.015 × 9 = ________ f. 4.15 × 12 = ________



Find each of the following.

a.
```
  2.5
×   3
-----
```

b.
```
  0.35
×    5
------
```

c.
```
  4.4
×   6
-----
```

d.
```
  0.65
×    7
------
```



Lesson (6): Multiplying Decimals through the Hundredths Place:

Lesson (7): Multiplying Decimals through the Thousandths Place:

The digits of the product for each problem have been provided, but the decimal point is missing. Without multiplying, use your reasoning to place the decimal point correctly in the product.

1. 5.8 × 7.4 = ________

   4,292

2. 32.4 × 5.3 = ________

   17,172

3. 11.68 × 2.4 = ________

   28,032

4. 15.4 × 0.49 = ________

   7,546





Using the Standard Algorithm for Decimal Numbers Find the product for each multiplication problem using the standard algorithm.

1. 29.35×3.4

3. 8.92×0.17

2. 43.2×0.24

4. 1.74×35



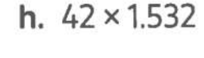
Find the product for each multiplication problem using the standard algorithm :

a. 2.43×6.9

b. 29.35×3.4

c. 47.8×5.2

Compare the products of the following by putting (<, > or =).

a. 0.318 × 1.5		3.18 × 0.15	b. 0.75 × 0.02		7.5 × 0.2
c. 13.6 × 0.4		0.136 × 0.4	d. 7.3 × 0.28		0.73 × 2.8
e. 0.342 × 1.2		3.42 × 0.12	f. 172 × 0.003		0.172 × 0.3
g. 48.2 × 3.7		4.82 × 37	h. 42 × 1.532 		4.2 × 15.32



Lesson 1 (the power of ten)

EX1: Solve all the following:

1) $90 \times 10 =$ ……………..
2) $5 \times 10{,}000 =$ ……………
3) $1{,}000 \times 60 =$ ……………
4) $10 \times 10{,}000 =$ ……………
5) $32 \times 100 =$ ……………

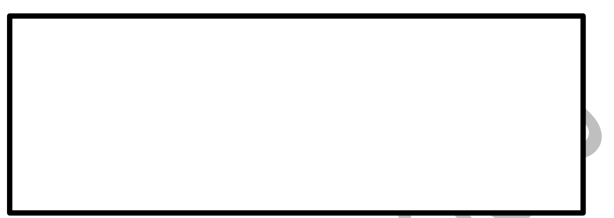
EX2: find the missing:

1) $9 \times$ ………… $= 9{,}000$
2) $1{,}000 \times 8 =$ ……………
3) $3 \times$ …………..$= 300{,}000$
4) ………… $\times 12 = 1{,}200$
5) ………… $\times 10 = 130$

Lesson 2 (using the area model to multiply)

Ex1 : solve the following using area model :

1) 321 × 21 = ………



2) 615 × 43 = ……….



3) 207 × 13 = ………

4) 310 × 66 = ……..



Lesson 3 (distributive property of multiplication)

Ex1 : complete each of the following :

1) 36 × 14

= (10 × …...) + (10 × 6) +(4 × 30) + (4 × …...)

= …………+ ……….+ …………+ ……….

= …………………

2) 45 × 16

= (10 × …...) + (10 × 5) +(6 × 40) + (6 × …...)

=…………… +…………+…………+…………

= ……………….

3) 213 × 12

=(10×200)+(10×…)+(10×3)+(2×…)+(2×10)+(2×...)

=………+………+……….+…….+……..+…….

=……………….

4) (30×30)+(30×5)+(9×30)+(9×5)=…………………

30	900	
9		45

Lesson 4 (using the partial product model to multiply)

Ex1: solve each of the following using the partial product strategy :

1) 35×13

(10 × 30) =……………

(10 × 5) = …………...

(3 × 30) = …………….

(3 × 5) =…………….. =…………….

2) 115×53

(50×100) =…………

(50×10) =…………..

(50×5) =…………..

(3×100) =…………..

(3×10) =……………

(3×5) =…………….. =………………

Lesson5 :(what is the algorithm)

Ex1 : solve the following :

1) 78

$\times$ 23

______

…………

………...

____

……………

2) 86

$\times$ 17

____

…………

…………

____

……………

lesson 6 (multiplying multi-digit numbers)

Ex1 : solve the following :

1) 2378
× 21

………

………

………….

2) 8601
× 27

……….

………...

………….

Lesson7(multiplication problems in the real numbers)

Ex1 : Amr ate 2 pieces of pizza each day ,the price of each piece is 7 L.E . how much money will he pay after 120 days ?

……………………………………………………………………
……………………………………………………………………
……………………………………………………………………
……………………………………………………………………
…………………………………………………………………..

Ex2 : Alaa sells 12 pies each day ,she sells each pie for 5 L.E . how much money she will gain after 150 days ?

……………………………………………………………………
……………………………………………………………………
……………………………………………………………………
…………………………………………………………………..

Lesson 1 :

Understanding Division

1) Complete the triangle of division and multiplication facts:

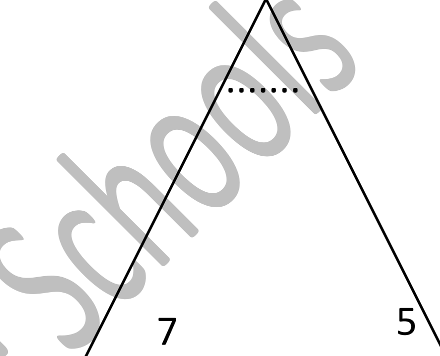


a) ....×.......=.........

.......×.......=.........

.......÷.......=.........

.......÷.......=.........

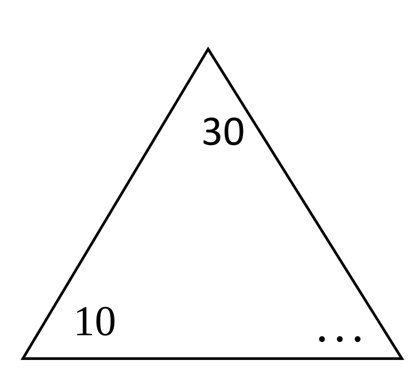


b) ....×.......=.........

.......×.......=.........

.......÷.......=.........

.......÷.......=.........



2) Complete and Find the Quotient:

a) 8 ÷ 8 = ... b) 630 ÷ 7 = ...

c) 804 ÷ 4 = ... d) 6482 ÷ 2 = ...

e) 7070 ÷ 7 = ... f) 8044 ÷ 4 = ...

3) Abeer wants to buy books for L.E 69 .if the cost of one book is L.E .
3.How many books can she buy ?
The number of the books that
she can buy=...=.........................books.

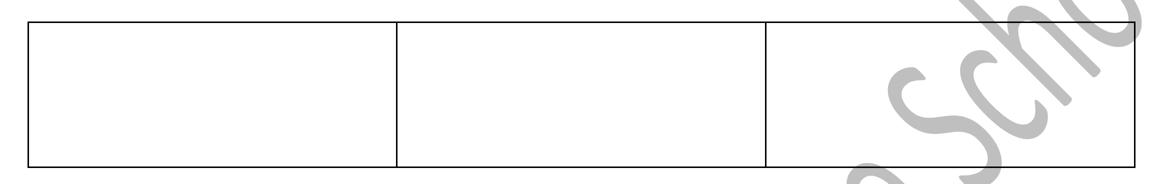
Lesson 2 :

Using the Area model to Divide

Using the area model to divide :



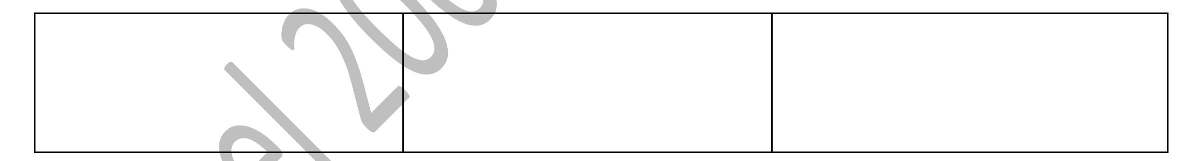
1) 2,613÷12 =…………………



2) 2,501 ÷28 =………………………



3)6,813 ÷12= ……………………



4) 7,236÷ 35 =……………………

Lesson 3

Using the Partial Quotients model to Divide

- Using the partial quotients strategy to solve the problems:

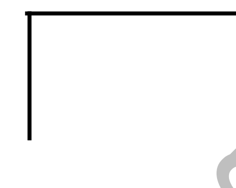
1)

1536 ÷ 14 = ………….



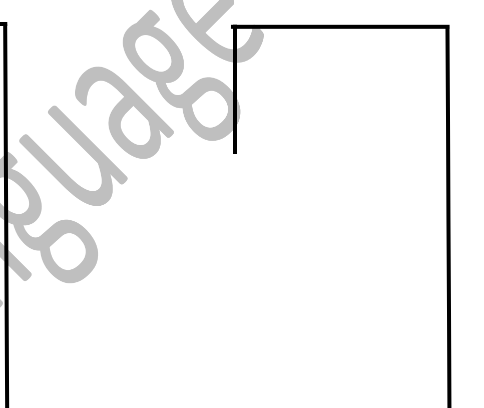
2)

6315 ÷ 19 = ……..



3)

4608 ÷ 23 =………..



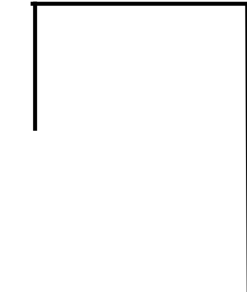
4)

937 ÷ 4= ………….



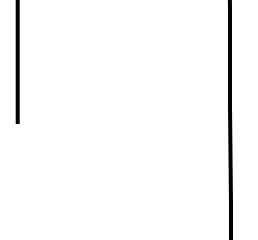
5)

9248 ÷ 4= ……..



6)

6278 ÷ 3=………..



Lesson 4

Estimating Quotients

Estimate the solution of each problem and use the appropriate strategy to solve:

1) 1,892 ÷67 =………………………

Estimation: ………………………….

Solution:……………………

2) 75,612 ÷56 = ………………………..

Estimation: ……………………………

Solution:………………………….

3) 8,127÷36 =……………………………

Estimation: ……………………………

Solution:……………………….

4) 7,177÷25 =……………………………

Estimation: ……………………………

Solution:……………………………….

Lesson 5

Using the Standard Algorithm to Divide

65 ÷ 15 =	97 ÷ 44 =
456 ÷ 63 =	837 ÷ 56 =
8,457 ÷32 =	9,807 ÷ 13 =

Lesson 6

Checking Division with multiplication

Solve the problem then check it with multiplication:

1) 4,523÷14=………

…………………………………………………………………………………………………

…………………………………………………………………………………………………

…………………………………………………………………………………………………

…………………………………………………………………………………………………

2) 2,984÷26=………..

…………………………………………………………………………………………………

…………………………………………………………………………………………………

…………………………………………………………………………………………………

…………………………………………………………………………………………………

3) 4256÷ 77=………..

…………………………………………………………………………………………………

…………………………………………………………………………………………………

…………………………………………………………………………………………………

…………………………………………………………………………………………………

4) 4824÷ 8=…………………..

…………………………………………………………………………………………………

…………………………………………………………………………………………………

…………………………………………………………………………………………………

…………………………………………………………………………………………………

Lesson 7

Multistep story problems

solve :

1) A baker made 480 serving of basbosa for a party . if each baking tray holds 14 servings of basbosa , how many trays will be needed to hold all the basbosa ?

....
....
....
....

2) Mom baked a batch of 215 balah el sham . two balah el sham fell on the floor leaving 10 on the platter , if 13 kids split

The remaining balah el sham equally , how many balah el sham will each child get ?

....
....
....
....

3) There were 29 girls and 47 boys in a class . the teacher asked them to work in groups of 12. How many groups were there ?

....
....
....
....

Concept 1 : multiplying decimals

Lesson 1 : multiplying by power of ten

Complete

1) 3 X 3tens = ……………
2) 4 X 0.002 = ……………
3) 12 X 0.1 = …………..
4) 9 X 0.01 = ………….
5) 42 X0.01 = ……………
6) 54 X 0.001 = …………
7) 15 X 0.1 = ……….
8) 16.3 X 10 = ………..
9) 17.2 X 100 = ……….
10) 47.5 X 10 = ……….
11) 3.245 X 100 = ……………
12) 125.1 X0.01 = ………..
13) 205 X 0.01 = ………..

X	8	80	800
0.001			
0.01			
0.1			
1			
10			
100			

Lesson 2 : multiplying decimals by whole numbers.

Complete:

1) 2.4 X 5 = ……………

2) 0.32 X 4 = ……………

3) 4.02 X 6 = ……………

4) 3.16 X 4 = ……………..

5) 2.35 X 3 = ……………

6) 0.234 X 7 = ……………

7) 2.56 X 23 = ……………

8) 1.7 X 43 = ……………..

9) 1.37 X 4.5 = ……………

10) 3.51 X 21 = ……………..

Lesson 3 : multiplying tenths by tenths

Complete:

1)0.2 X 0.2 = …………

2)0.3 X 0.3 = ………..

3)0.2 X 0.4 = ………..

4)0.5 X 0.5 = ………..

5)0.6 X 0.7 = ………..

6)1.2 X 0.3 = ………..

7)1.3 X 0.4 = ………..

8)1.2 X 0.5 = …………

9) 4.2 X 0.7 = …………

10)3.5 X 0.2 = ………..

Lesson 4 : estimating decimal products.

Complete as an example:

1) 24.7 X 1.9 = Etimate : 25 X 2 = 50
2) 3.5 X 11.5 = Estimate : ………. X ……. = ………
3) 99.6 X 15.3 = Estimate : ………. X ……. = ………
4) 24.3 X 5.4 = Estimate : ………. X ……. = ………
5) 249.6 X 0.5 = Estimate : ………. X ……. = ………

Food item	Actual cost L.E	Rounded cost L.E	Quantity	Equation	Running total estimated cost L.E
Milk Rice	8.3 15.3	……….. ……….	10 20	………….. …………..	………………………………… …………………………………
Appels Oranges	18.5 9.3	………… ………….	20 30	………….. …………	………………………………… …………………………………
Onions Chiken	5.7 44.4	……….. ………..	30 5	……….. ………..	………………………………… …………………………………

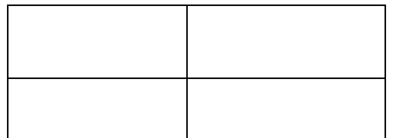
Lesson 5: Using the area model to multiply decimal.

Complete

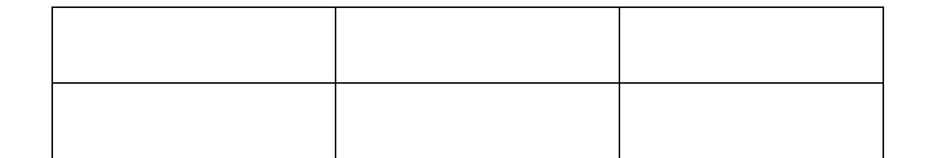
1)70 X 2 = …………..	2)90 X 2= ……..
7 X 20 = ………	9 X 20 = …………
7 X 2 = …………	9 X 2 = ………..
0.7 X 2 = …………	0.9 X 2 = ………
7 X 0.2 = ………..	9 X 0.2 = …………
0.7 X 0.2 = ……….	0.9 X 0.2 = ………..
0.07 X 0.2 = ………….	0.09 X .02 = …………
0.7 X 0.02 = ……….	0.9 X 0.02 = …………
0.07 X 0.02 = …………..	0.09 X 0.02 = ……………..

Decimal area model

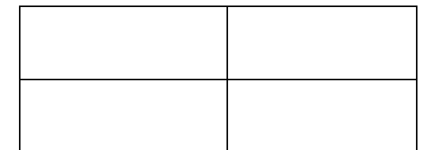
1)1.2 X 2.4 = ……………



2)32.1 X 0.26 = ………….



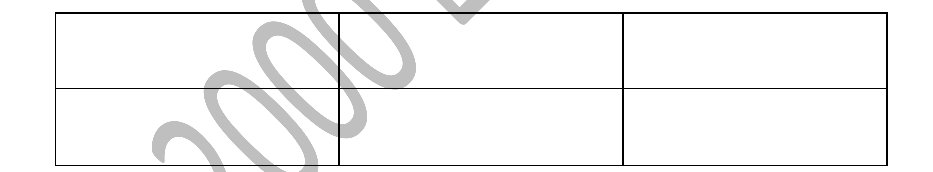
3)2.3 X 4.2 = ……………



4)8.2 X 0.16 = …………



5)2.15 X 0.35 = ……………



6)16.3 X2.6 = ………….



Lesson 6 : multiplying decimals through the hundredths place.

Find by using the standard algorithm.

1) 49.35 X 3.4 __________	2) 15.4 X 2.3 __________	3) 2.25 X 2.6 __________
4) 27.34 X 2.5 __________	5) 9.37 X 0.15 __________	6) 7.65 X 24 __________
7) 10.32 X 0.62 __________	8) 25.3 X 7.2 __________	9) 82.5 X 1.5 __________

Lesson 7 : multiplying decimals through the thousandths place.

1) 7.102 X 0.15 __________	2) 6.137 X 2.5 __________	3) 2.421 X 1.5 __________
4) 9.124 X 3.6 __________	5) 7.178 X 20 __________	6) 8.257 X 1.2 __________
7) 2.423 X 2.7 __________	8) 3.271 X 3.1 __________	9) 60.15 X 1.3 __________